



Personal Systems Reference Lenovo® IdeaPad™ Netbooks and Notebooks

June 2013 - Version 437



Lenovo IdeaPad U300s

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Lenovo IdeaPad S206 (Gray)



Lenovo IdeaPad S206 (Gray)



Lenovo IdeaPad S206 (Gray)



Lenovo IdeaPad S206 (Gray)



Lenovo IdeaPad S206 (White)



Lenovo IdeaPad S206 (White)

IdeaPad™ S206 (2638) - web only models

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Cores	Memory	Widescreen display	Cam-era	Integrated graphics	SATA disk	PCIe Mini card 802.11	PCIe Mini card WWAN	Top color	Blue-tooth	Battery	Win7 preload	Avail date (mm/yy)
2638-24U	AMD C-60	1.00	2	2GBx1	11.6" HD LED	0.3M	HD 6290	500GB ⁸	11b/g/n ²⁸	None	White	BT	2-cell	Prem 32	06/12
2638-23U	AMD C-60	1.00	2	2GBx1	11.6" HD LED	0.3M	HD 6290	500GB	11b/g/n	None	Gray	BT	2-cell	Prem 32	06/12

- **11.6" widescreen, glossy display with LED backlight**
- **Ultra-portable design for easy mobility; from just 20.7mm thick and weighing 1.3kg**
- **Integrated camera and Lenovo's VeriFace™ face recognition software helps control access to your notebook by recognizing your face**
- **Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning	<i>Widescreen; one-spindle</i>										Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 32				
Processor	AMD Accelerated Processor C-60 (dual-core, 1.00GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6290 Graphics, AMD Turbo Core technology (Up to 1.33GHz), integrated DDR3 memory controller (up to 1066MHz)										Preloaded applications¹⁴ (only some listed)				
Memory	4GB max / PC3-12800 1600MHz DDR3 , non-parity, one 204-pin SO-DIMM socket; * System automatically clocks down for processors with 1066MHz DDR3 memory controller										<ul style="list-style-type: none"> • Lenovo® OneKey Recovery • McAfee® Internet Security (30 days trial) • Adobe® Reader® • Windows Live™ Essentials • PokeTALK • ooVoo™ • Lenovo Energy Management Software • VeriFace • Quick Start • Microsoft Office 2010 preloaded; purchase product key to activate 				
Optical drive	None										40-watt AC adapter EPEAT™ gold rating ENERGY STAR® qualified RoHS-compliant				
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 7mm high, 2.5" platter														
Widescreen display	11.6" (294.6mm) HD (1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio														
Camera	Camera on top of screen, 0.3-megapixel, fixed focus														
Integrated graphics	AMD Radeon HD 6290 Graphics , in processor, DirectX® 11, use system memory, External monitor support via digital HDMI connector										Limited Warranty¹² ⇨ 1-year warranty* : * 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter ⇨ Mail In repair service ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 ⇨ 24x¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686				
Keyboard	Full size keyboard, Fn keys, 6-row														
Touch controls	None														
Light sensor	None														
Touch pad	One-piece touchpad, multi-touch														
Dimensions ³	<i>2-cell: (WxDxH): 11.8" x 7.6" x 0.8"; 299.5mm x 192mm x 20.7mm</i>														
Weight ²	<i>2-cell: starting at 2.84 lb (1.29 kg)</i>														
Case color	<i>Top: white, pink, and gray; bottom: color matches top color</i>														
Case material	<i>Top and bottom: Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic</i>														
Battery - type	Lithium Polymer 2-cell, 27Wh														
Battery - life ¹⁰	<i>2-cell: up to 3.5 hr</i>														
Chipset	AMD A50M FCH										⇨ 1-year warranty* : * 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter ⇨ Mail In repair service ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 ⇨ 24x¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686				
ExpressCard/34	None														
Multicard reader	2-in-1 reader (MultiMedia Card, Secure Digital Card)														
Ports	<i>Left side: one USB 3.0 port and HDMI</i> <i>Right side: one USB 2.0 port and multicard reader</i>														
TV tuner	None														
PCIe Mini Card	One PCI Express Mini Card slot														
11b/g/n ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Wi-Fi + Bluetooth combo adapter, Broadcom® or Atheros® chip														
WWAN	None														
Bluetooth™	Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter														
Modem	None														
Ethernet	None														
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input / headphone combo jack (3.5 mm)														
Security	Power-on password, administrator password, hard disk password														
Fingerprint reader	None														

See footnotes for important warranty information
US model(s) announced June 21, 2012

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(WODY1-1) June 2012



Lenovo IdeaPad S30
(Silver Gray)



Lenovo IdeaPad S30
(Cotton-candy Pink)



Lenovo IdeaPad S30
(Silver Gray)



Lenovo IdeaPad S30



Lenovo IdeaPad 300

IdeaPad™ S300 - Windows 8 (web only models)

Personal Systems Reference (PSREF)

Part number	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Graphics	SATA disk GB	RPM	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Preload	Avail date (mm/yy)
59359328	i3-3217U	1.80	None	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB	5400	None	None	11b/g/n	Gray	BT	Win8 64	12/12
59359324	Cel 887	1.50	None	4GBx1	13.3" HD LED	720p	Intel HD	500GB	5400	None	None	11b/g/n	Gray	BT	Win8 64	12/12
59359327	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB	5400	None	None	11b/g/n	Gray	BT	Win8 64	12/12
59359323	Cel 887	1.50	None	4GBx1	13.3" HD LED	720p	Intel HD	500GB	5400	None	None	11b/g/n	Pink	BT	Win8 64	12/12

- **13.3" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Advanced Audio v2 certified audio system with stereo speakers (2 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning Processor	<i>Widescreen; one-spindle</i> Intel® Celeron® 887 processor (2 cores / 2 threads, 1.50GHz, 2MB cache), Intel HD Graphics, DDR3 memory controller (up to 1333MHz) Intel Core™ i3-3217U processor (2 cores / 4 threads, 1.80GHz, 3MB cache), integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz) Intel Core i5-3317U Processor (2 cores / 4 threads, 1.70 GHz, 3MB cache), integrated Intel HD Graphics 4000, Turbo Boost Technology 2.0 (up to 2.60 GHz), DDR3 memory controller (up to 1600MHz)	Preloaded operating system²⁰ - Windows® 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro PDF - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • Rara Streaming • Lenovo Companion
Memory	4GB max ⁷ / PC3-10600 1333MHz DDR3 or PC3-12800 1600MHz DDR3 , non-parity, one 204-pin SO-DIMM socket * Celeron processors with 1333MHz DDR3 memory * Core i3 or i5 processors with 1600MHz DDR3 memory	
Diskette drive	None	
Optical drive	None	
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 7mm high	
mSATA™ SSD	None	
Widescreen display	13.3" (337.8mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics or Intel HD Graphics 4000 in processor, External monitor support via digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, recovery button	
Numeric keypad	None	
Light sensor	None	
Touch pad	One-piece touch pad, multi-touch	
Dimensions ³	<i>(WxDxH):</i> 13.02" x 9.06" x 0.35-0.87"; 330.8mm x 230.2mm x 9-22mm	
Weight ²	starting at 3.97 lb (1.80 kg)	
Case color	<i>Top:</i> Silver Gray <i>Bottom:</i> Silver Gray	
Case material	<i>Top:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic <i>Bottom:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium, 4-cell , 32Wh	40-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant
Battery - life ¹⁰	up to 5 hr	
Chipset	Mobile Intel HM70 or HM77 Express Chipset * Celeron processors with HM70 Chipset * Core i3 or i5 processors with HM77 Chipset	Limited Warranty¹²
ExpressCard/34	None	↔ 1-year parts and labor
Multicard reader	2-in-1 reader (SD, MMC)	↔ Depot repair service¹⁹
Ports	One USB 3.0, two USB 2.0, external monitor (HDMI), ethernet (RJ-45)	↔ Service upgrade options (in eligible locations):⁹
TV tuner	None	• 1-year Lenovo Onsite Repair¹³ 78Y1532
PCIe Mini Card	Two PCI Express Mini Card slots	• 1-year Onsite with accidental damage protection 78Y1533
WLAN ²⁸	11b/g/n, PCIe Half Mini Card, Broadcom or Atheros chip, Wi-Fi + Bluetooth combo adapter, 1x1	• 2-year Lenovo Onsite Repair¹³ 78Y1536
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	• 3-year Lenovo Depot Repair 78Y1538
Modem	None	↔ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC259 codec / stereo speakers (2 watt x 2), Dolby® Advanced Audio v2 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Supervisor password, hard disk password	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) announced December 12, 2012

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(SHRY1-1) December 2012



Lenovo IdeaPad S400
(Silver Gray)



Lenovo IdeaPad S400
(Crimson Red)



Lenovo IdeaPad S400
(Silver Gray)



Lenovo IdeaPad S400



Lenovo IdeaPad S400

Part number	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Graphics	SATA disk GB	RPM	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Preload	Avail date (mm/yy)
59342932	i3-3217U	1.80	None	4GBx1	14.0" HD LED	720p	Intel HD 4000	500GB	5400	None	None	11b/g/n	Gray	None	Win8 64	11/12
59359130	i3-3227U	1.90	None	4GBx1	14.0" HD LED	720p	Intel HD 4000	500GB	5400	None	None	11b/g/n	Gray	None	Win8 64	03/13

- 14.0" HD widescreen, glossy display with LED backlight
- Integrated 720p HD camera
- Dolby Advanced Audio v2 certified audio system with stereo speakers (2 watt x 2)
- HDMI port
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows

Positioning	<i>Widescreen; one-spindle</i>											Preloaded operating system²⁰ - Windows® 8 64-bit			
Processor	Intel® Core™ i3-3217U processor (2 cores / 4 threads, 1.80GHz, 3MB Cache), integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz) Intel Core i3-3227U processor (2 cores / 4 threads, 1.90GHz, 3MB Cache), integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz)											Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro PDF - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • Rara Streaming • Lenovo Companion			
Memory	4GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, one 204-pin SO-DIMM socket											40-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant Limited Warranty¹² ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686			
Diskette drive	None														
Optical drive	None														
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 7mm high														
mSATA™ SSD	None														
Widescreen display	14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio														
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator														
Graphics	Intel HD Graphics 4000 in processor, External monitor support via digital HDMI connector														
Keyboard	Full-size keyboard, 6-row, recovery button														
Numeric keypad	None														
Light sensor	None														
Touch pad	One-piece touch pad, multi-touch														
Dimensions ³	<i>(WxDxH):</i> 13.25" x 9.50" x 0.33-0.83"; 336.6mm x 241.2mm x 8.5-21mm														
Weight ²	starting at 3.97 lb (1.80 kg)														
Case color	<i>Top:</i> Silver Gray <i>Bottom:</i> Silver Gray														
Case material	<i>Top:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic <i>Bottom:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic														
Battery - type	Lithium, 4-cell , 32Wh														
Battery - life ¹⁰	up to 5 hr														
Chipset	Mobile Intel HM77 Express Chipset														
ExpressCard/34	None														
Multicard reader	2-in-1 reader (SD, MMC)														
Ports	One USB 3.0, two USB 2.0, external monitor (HDMI), ethernet (RJ-45)														
TV tuner	None														
PCIe Mini Card	Two PCI Express Mini Card slots														
WLAN ²⁸	11b/g/n, PCIe Half Mini Card, Broadcom or Atheros chip, 1x1														
Bluetooth™	None														
Modem	None														
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E														
Audio support	High Definition (HD) Audio, RealTek® ALC259 codec / stereo speakers (2 watt x 2), Dolby® Advanced Audio v2 certified / microphone, microphone input and headphone combo jack (3.5 mm)														
Security	Supervisor password, hard disk password														
Fingerprint reader	None														

See footnotes for important warranty information

☞ US model(s) announced March 6, 2013; previous model(s) on November 28, 2012

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(ROYL1-1) March 2013

Part number	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Graphics	SATA disk GB RPM	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Preload	Avail date (mm/yy)
59351953	A6-4455M	2.10	2.60	4GBx1	14.0" HD LED	720p	HD 7520G	500GB 5400	None	None	11b/g/n	Gray	None	Win8 64	12/12
59342926	A6-4455M	2.10	2.60	4GBx1	14.0" HD LED	720p	HD 7520G	500GB 5400	None	None	11b/g/n	Gray	None	Win8 64	12/12
59342927	A8-4555M	1.60	2.40	4GBx1	14.0" HD LED	720p	HD 7640G	500GB 5400	None	None	11b/g/n	Gray	None	Win8 64	12/12

- 14.0" HD widescreen, glossy display with LED backlight
- Integrated 720p HD camera
- Dolby Advanced Audio v2 certified audio system with stereo speakers (2 watt x 2)
- HDMI port
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows

Positioning Processor	Widescreen; one-spindle AMD Accelerated Processor A6-4455M (dual-core, 2.10GHz, 2MB L2 cache), integrated AMD Radeon HD 7520G Graphics, AMD Turbo Core technology (up to 2.60GHz), integrated DDR3 memory controller (up to 1333MHz) AMD Accelerated Processor A8-4555M (quad-core, 1.60GHz, 4MB L2 cache), integrated AMD Radeon HD 7640G Graphics, AMD Turbo Core technology (up to 2.40GHz), integrated DDR3 memory controller (up to 1333MHz)	Preloaded operating system²⁰ - Windows® 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro PDF - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • Rara Streaming • Lenovo Companion 40-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service ¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair ¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair ¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
Memory	4GB max ⁷ / PC3-10600 1333MHz DDR3 , non-parity, one 204-pin SO-DIMM socket	
Diskette drive	None	
Optical drive	None	
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 7mm high	
mSATA™ SSD	None	
Widescreen display	14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	AMD Radeon HD Graphics in processor, External monitor support via digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, recovery button	
Numeric keypad	None	
Light sensor	None	
Touch pad	One-piece touch pad, multi-touch	
Dimensions ³	(WxDxH): 13.25" x 9.50" x 0.33-0.83"; 336.6mm x 241.2mm x 8.5-21mm	
Weight ²	starting at 3.97 lb (1.80 kg)	
Case color	<i>Top:</i> Silver Gray <i>Bottom:</i> Silver Gray	
Case material	<i>Top:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic <i>Bottom:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium, 4-cell , 32Wh	
Battery - life ¹⁰	up to 5 hr	
Chipset	AMD A70M FCH	
ExpressCard/34	None	
Multicard reader	2-in-1 reader (SD, MMC)	
Ports	One USB 3.0, two USB 2.0, external monitor (HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	Two PCI Express Mini Card slots	
WLAN ²⁸	11b/g/n, PCIe Half Mini Card, Broadcom or Atheros chip, 1x1	
Bluetooth™	None	
Modem	None	
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC259 codec / stereo speakers (2 watt x 2), Dolby® Advanced Audio v2 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Supervisor password, hard disk password	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) announced December 12, 2012



Lenovo IdeaPad U160



Lenovo IdeaPad U160



Lenovo IdeaPad U160
black cover



Lenovo IdeaPad U160
red cover



Lenovo IdeaPad U160
red cover



Lenovo IdeaPad U160
red cover

IdeaPad™ U160 (0894) - Windows 7 (web only models)

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	PCIe Mini Card 802.11	Top color	Bluetooth	Battery	Win7 preload	Avail date
⚡ 0894-5JU	i5-520UM	1.06	1.86	4GB	11.6" HD	1.3M	Intel HD	320GB ⁸	11b/g/n ²⁸	Black	Bluetooth	6-cell	Prem 32	Jun 10
⚡ 0894-55U	i7-640UM	1.20	2.26	4GB	11.6" HD	1.3M	Intel HD	500GB	11b/g/n	Black	Bluetooth	6-cell	Prem 64	Jun 10
⚡ 0894-59U	i7-640UM	1.20	2.26	4GB	11.6" HD	1.3M	Intel HD	500GB	11b/g/n	Red	Bluetooth	6-cell	Prem 64	Jun 10
⚡ 0894-5KU	i5-470UM	1.33	1.86	4GB	11.6" HD	1.3M	Intel HD	500GB	11b/g/n	Red	Bluetooth	6-cell	Prem 64	Nov 10
⚡ 0894-5LU	i5-470UM	1.33	1.86	4GB	11.6" HD	1.3M	Intel HD	500GB	11b/g/n	Black	Bluetooth	6-cell	Prem 64	Nov 10
⚡ 0894-5MU	i3-380UM	1.33		4GB	11.6" HD	1.3M	Intel HD	320GB	11b/g/n	Black	Bluetooth	6-cell	Prem 64	Nov 10

- **Thin and light design for easy mobility**
- **11.6" HD widescreen, glossy display with LED backlight**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby® Advanced Audio™ certified audio system with stereo speakers (1.5 watt x 2)**
- **HDMI port, HDCP-compliant**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<p><i>Widescreen flexibility; one-spindle</i></p> <p>Intel® Core™ i3 processor i3-380UM with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 800MHz), 3MB cache or</p> <p>Intel Core i5 processor i5-470UM or i5-520UM with dual-core, DMI, integrated DDR3 memory controller (up to 800MHz), Intel Turbo Boost, Hyper-Threading technology, 3MB cache or</p> <p>Intel Core i7 processor i7-640UM with dual-core, DMI, integrated DDR3 memory controller (up to 800MHz), Intel Turbo Boost, Hyper-Threading technology, and 4MB cache</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - <i>Some:</i> Genuine Windows® 7 Home Premium 32 - <i>Some:</i> Genuine Windows 7 Home Premium 64 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live™ Essential • CyberLink YouCam • ooVoo™ • Lenovo ReadyComm • Lenovo Energy Management Software • Lenovo DirectShare • VeriFace™ • Lenovo Security Suite • Microsoft Office 2010 preloaded; purchase product key to activate
Memory	<p>4GB std / 4GB max⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets;</p> <p><i>Italics:</i> standard memory in both sockets; no sockets available</p>	
Diskette drive	None	
Optical drive	None	
SATA disk	<p>320GB (5400 rpm) or 500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, Active Protection System™</p>	
Widescreen display	<p>11.6" (294.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio</p>	
Camera	<p>Camera on top of screen, 1.3-megapixel, fixed focus</p>	
Integrated graphics	<p>Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector, HDCP-compliant</p>	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery button	
Light sensor	None	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³	<p><i>6-cell: (WxDxH): 11.4" x 7.6" x 0.89"; 290mm x 193mm x 22.5mm</i></p>	
Weight ²	<p><i>6-cell: starting at 3.09 lb (1.4kg)</i></p>	
Case color	<p><i>Top:</i> black or red top with texture;</p> <p><i>Bottom:</i> black or red bottom, color matches top color</p>	
Case material	<p><i>Top:</i> Aluminum</p> <p><i>Bottom:</i> PC/ABS</p>	
Battery - type	Lithium Ion, 6-cell	
Battery - life ¹⁰	<i>6-cell:</i> up to 7 hr	<p>40-watt AC adapter</p> <p>Wireless on/off switch</p> <p>ENERGY STAR® 5.0-compliant</p> <p>RoHS-compliant</p>
Chipset	Mobile Intel HM55 Express Chipset	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↔ 1-year parts and labor Depot repair service¹⁹ ↔ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↔ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner	None	
PCIe Mini Card	Two PCI Express Mini Card slots	
11b/g/n ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card adapter, Broadcom® BCM4313 or Atheros® AR9285	
Bluetooth™	Bluetooth 2.1 wireless, internal USB 2.0 interface	
Modem	None	
Ethernet	Gigabit ethernet, Atheros AR8131	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / stereo speakers (1.5 watt x 2), Dolby® Advanced Audio™ certified / dual array microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security	Administrator password, hard disk password, security keyhole	
Fingerprint reader	None	

See footnotes for important warranty information

⚡ US models announced November 3, 2010; previous models on June 23, 2010

⚡ US models withdrawn effective November 2010

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Lenovo IdeaPad U260
Clementine Orange cover



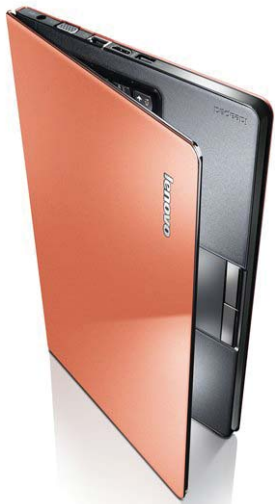
Lenovo IdeaPad U260



Lenovo IdeaPad U260
Mocha Brown cover



Lenovo IdeaPad U260
Mocha Brown cover



Lenovo IdeaPad U260
Clementine Orange cover



Lenovo IdeaPad U260
Mocha Brown cover

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	PCIe Mini Card 802.11	Top color	Bluetooth	Battery	Win7 preload	Avail date
0876-3DU	i5-470UM	1.33	1.86	4GB	12.5" HD	0.3M	Intel HD	320GB ^B	Intel 1000 ²⁸	Orange	Bluetooth	4-cell	Prem 64	Mar 11
0876-3AU	i3-380UM	1.33		4GB	12.5" HD	0.3M	Intel HD	320GB	Intel 1000	Orange	Bluetooth	4-cell	Prem 64	Mar 11
0876-3BU	i5-470UM	1.33	1.86	4GB	12.5" HD	0.3M	Intel HD	320GB	Intel 1000	Mocha	Bluetooth	4-cell	Prem 64	Mar 11
0876-3CU	i3-380UM	1.33		4GB	12.5" HD	0.3M	Intel HD	320GB	Intel 1000	Mocha	Bluetooth	4-cell	Prem 64	Mar 11

- **Ultra slim and light design for easy mobility**
- **12.5" HD widescreen, anti-glare display with LED backlight**
- **Breathable Keyboard, a spill-resistant keyboard that also dissipates heat through the keys**
- **Integrated 0.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby Advanced Audio certified audio system with stereo speakers (1 watt x 2)**
- **HDMI port, HDCP-compliant**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	Widescreen flexibility; one-spindle Intel® Core™ i3 processor i3-380UM with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 800MHz), 3MB cache or Intel Core i5 processor i5-470UM with dual-core, DMI, integrated DDR3 memory controller (up to 800MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache	Preloaded operating system²⁰ - Genuine Windows 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo® OneKey Recovery • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live™ Essential • CyberLink YouCam • ooVoo™ • Lenovo ReadyComm • Lenovo Energy Management Software • Lenovo DirectShare • VeriFace™ • Lenovo Security Suite • Microsoft Office 2010 preloaded; purchase product key to activate
Memory	4GB std / 4GB max* / PC3-8500 1066MHz DDR3 , non-parity, one 204-pin SO-DIMM socket	
Diskette drive	None	
Optical drive	None	
SATA disk	320GB (5400 rpm) / SATA 3.0Gb/s, 7mm high, 2.5" platter, Active Protection System™	
Widescreen display	12.5" (317.5mm) HD (WXGA 1366x768) TFT color , anti-glare, LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 0.3-megapixel, fixed focus	
Integrated graphics	Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, spill-resistant, multimedia Fn keys, recovery button	
Light sensor	Ambient light sensor	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³	4-cell: (WxDxH): 12.5" x 8.1" x 0.71"; 318mm x 204.5mm x 18mm	
Weight ²	4-cell: starting at 3.04 lb (1.38kg)	
Case color	Top: Clementine Orange or Mocha Brown top; Bottom: Clementine Orange or Mocha Brown, color matches top color	40-watt AC adapter Wireless on/off switch EPEAT™ Silver rating ENERGY STAR® 5.0-compliant RoHS-compliant
Case material	Top: magnesium-aluminum alloy Bottom: magnesium-aluminum alloy	
Battery - type	Lithium Polymer, 4-cell	
Battery - life ¹⁰	4-cell: up to 4 hr	Limited Warranty¹² ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Chipset	Mobile Intel QS57 Express Chipset	
ExpressCard/34	None	
Multicard reader	None	
Ports	Two USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	One PCI Express Mini Card slot	
Intel 1000 ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card adapter, Intel Centrino® Wireless-N 1000, 1x2	
Bluetooth™	Bluetooth 2.1 wireless, internal USB 2.0 interface	
Modem	None	
Ethernet	Gigabit ethernet, Atheros® AR8151	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / stereo speakers (1 watt x 2), Dolby® Advanced Audio™ certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Administrator password, hard disk password, security keyhole	
Fingerprint reader	None	

See footnotes for important warranty information
US models announced March 2, 2011

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(MARS1-2) March 2011

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	PCIe Mini Card 802.11	Top color	Bluetooth	Battery	Win7 preload	Avail date
0876-33U	i5-470UM	1.33	1.86	4GB	12.5" HD	0.3M	Intel HD	320GB ^B	Intel 1000 ²⁸	Mocha	Bluetooth	4-cell	Prem 64	Nov 10
0876-32U	i3-380UM	1.33		4GB	12.5" HD	0.3M	Intel HD	320GB	Intel 1000	Mocha	Bluetooth	4-cell	Prem 64	Nov 10
0876-34U	i5-470UM	1.33	1.86	4GB	12.5" HD	0.3M	Intel HD	320GB	Intel 1000	Orange	Bluetooth	4-cell	Prem 64	Nov 10

- **Ultra slim and light design for easy mobility**
- **12.5" HD widescreen, anti-glare display with LED backlight**
- **Breathable Keyboard, an spill-resistant keyboard that also dissipates heat through the keys**
- **Integrated 0.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby® Advanced Audio™ certified audio system with stereo speakers (1 watt x 2)**
- **HDMI port, HDCP-compliant**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Widescreen flexibility; one-spindle</i> Intel® Core™ i3 processor i3-380UM with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 800MHz), 3MB cache or Intel Core i5 processor i5-470UM with dual-core, DMI, integrated DDR3 memory controller (up to 800MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache										Preloaded operating system²⁰ - Genuine Windows 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo® OneKey Recovery • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live™ Essential • CyberLink YouCam • ooVoo™ • Lenovo ReadyComm • Lenovo Energy Management Software • Lenovo DirectShare • VeriFace™ • Lenovo Security Suite • Microsoft Office 2010 preloaded; purchase product key to activate			
Memory	4GB std / 4GB max* / PC3-8500 1066MHz DDR3 , non-parity, one 204-pin SO-DIMM socket										40-watt AC adapter Wireless on/off switch EPEAT™ Silver rating ENERGY STAR® 5.0-compliant RoHS-compliant			
Diskette drive Optical drive SATA disk	None None 320GB (5400 rpm) / SATA 3.0Gb/s, 7mm high, 2.5" platter, Active Protection System™													
Widescreen display Camera	12.5" (317.5mm) HD (WXGA 1366x768) TFT color , anti-glare, LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 0.3-megapixel, fixed focus										Limited Warranty¹² ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686			
Integrated graphics	Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector, HDCP-compliant													
Keyboard Light sensor Touch pad	Full-size keyboard, 6-row, spill-resistant, multimedia Fn keys, recovery button Ambient light sensor Two-button touch pad with scroll feature (no TrackPoint®), multi-touch													
Dimensions ³ Weight ² Case color	<i>4-cell: (WxDxH):</i> 12.5" x 8.1" x 0.71"; 318mm x 204.5mm x 18mm <i>4-cell:</i> starting at 3.04 lb (1.38kg) <i>Top:</i> Clementine Orange or Mocha Brown top; <i>Bottom:</i> Clementine Orange or Mocha Brown, color matches top color													
Case material	<i>Top:</i> magnesium-aluminum alloy <i>Bottom:</i> magnesium-aluminum alloy													
Battery - type Battery - life ¹⁰	Lithium Polymer, 4-cell <i>4-cell:</i> up to 4 hr													
Chipset ExpressCard/34 Multicard reader Ports	Mobile Intel QS57 Express Chipset None None Two USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)													
TV tuner PCIe Mini Card Intel 1000 ²⁸ Bluetooth™ Modem Ethernet Audio support	None One PCI Express Mini Card slot 11b/g/n wireless ⁴ , PCIe Mini Card adapter, Intel Centrino® Wireless-N 1000, 1x2 Bluetooth 2.1 wireless, internal USB 2.0 interface None Gigabit ethernet, Atheros AR8151 High Definition (HD) Audio, RealTek® ALC269 codec / stereo speakers (1 watt x 2), Dolby® Advanced Audio™ certified / microphone, microphone input and headphone combo jack (3.5 mm)													
Security Fingerprint reader	Administrator password, hard disk password, security keyhole None													

See footnotes for important warranty information
US models announced November 3, 2010

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(MARS1-1) November 2010



Lenovo IdeaPad Yoga 11
(Silver Gray)



Lenovo IdeaPad Yoga 11
(Silver Gray)



Lenovo IdeaPad Yoga 11
(Silver Gray)



Lenovo IdeaPad Yoga 11
(Silver Gray)



Lenovo IdeaPad Yoga 11
(Silver Gray)



Lenovo IdeaPad Yoga 11
(Silver Gray)

IdeaPad™ Yoga 11 (Windows RT)

Personal Systems Reference (PSREF)

Part number	Processor	GHz	Cores	Memory	Widescreen display	CCFL or LED	Multi-touch	Camera	Integrated graphics	Storage	PCIe Mini Card 802.11	Top color	Blue-tooth	Battery	Windows preload	Avail date (mm/yy)
59342980	Tegra3 T30	1.30	Quad	2GB	11.6" HD	LED	5-Point	720p	ULP GeForce	64GB ⁸	11b/g/n ²⁸	Gray	BT4.0	4-cell	Win RT	11/12

- **World's slimmest multi-mode PC with 4 unique ways to use it – notebook, tablet, stand, and tent**
- **11.6" HD screen with wide viewing angle, only 15.6mm thick and 1.24kg in weight**
- **5-point multi-touch screen that folds back 360°**
- **Long battery life for extended use on the move; up to 13 hours long battery life**
- **AccuType keyboard with individual rounded keys for accurate typing**

Positioning	<i>Multi-mode PC</i>											Preloaded operating system²⁰ - Windows® RT			
Processor	NVIDIA® Tegra® 3 T30											Preloaded applications¹⁴ (only some listed) • eBay • Evernote • Lenovo Setting • Rara Streaming • Microsoft Office Home and Student 2013 RT (Included in Windows RT)			
CPU	Quad-Core (Single-Core: up to 1.4 GHz / Quad-Core: up to 1.3 GHz), 1MB L2 cache, ARM® Cortex™-A9 architecture														
GPU	NVIDIA ULP (Ultra-low power) GeForce GPU, integrated in Tegra 3, provides dedicated 2D/3D graphics hardware accelerator, OpenGL ES 2.0 supports 1080p Full HD video out via HDMI connector														
Memory	2GB std / 2GB max ⁷ / PC3-12800 1600MHz DDR3L*, soldered to systemboard, no sockets * System automatically clocks down to 1500MHz for NVIDIA Tegra3 T30 processor														
Diskette drive	None											45-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant			
Optical drive	None														
Storage	64GB / eMMC (embedded Multi Media Card) flash memory on board														
Widescreen display	11.6" (294mm) HD (1366x768) TFT color, VA (Vertical Alignment) technology, VibrantView (glossy), LED backlight, 350 nits, 16:9 aspect ratio, 800:1 contrast ratio Viewing angle: 170° (+/- 85°) horizontal, 170° (+/- 85°) vertical														
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 5-point, One Glass Solution														
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator														
Keyboard	AccuType keyboard, ISO full-size, 6-row, Fn keys											Limited Warranty¹² ↪ 1-year parts and labor ↪ Depot repair service ¹⁹ ↪ Service upgrade options (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair ¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair ¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686			
Control buttons	Volume up / down button, screen rotation lock button, Windows button, and power button														
Touch pad	One-piece touch pad with scroll feature, multi-touch														
Light sensor	Ambient Light Sensor														
G-sensor	Accelerometer (G) sensor, supports 3-axis accelerometer														
Gyroscope	3-axis gyroscope														
eCompass	Digital compass														
Dimensions ³	4-cell: (WxDxH): 11.7" x 8.0" x 0.61"; 298mm x 204mm x 15.6mm														
Weight ²	4-cell: starting at 2.73 lb (1.24kg)														
Case color	Top: Clementine Orange or Silver Gray top; Bottom: Clementine Orange or Silver Gray, color matches top color														
Case material	Top: magnesium aluminium alloy Bottom: magnesium aluminium alloy														
Battery - type	Lithium Polymer, 4-cell, 42Wh														
Battery - life ¹⁰	4-cell: up to 13 hr														
ExpressCard/34	None														
Multicard reader	SD card reader														
Ports	Two USB 2.0, external monitor (HDMI)														
TV tuner	None														
PCIe Mini Card	None														
11b/g/n	11b/g/n wireless ⁴ , Broadcom® BCM4330, Wi-Fi + Bluetooth 4.0 combo chip, 1x1, SDIO interface														
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth 4.0 combo chip														
Modem	None														
Ethernet	None														
Audio support	High Definition (HD) Audio, Realtek® ALC5642 codec / stereo speakers (0.5 watt x 2), microphone, microphone input and headphone combo jack (3.5 mm)														
Security	Administrator password														
Fingerprint reader	None														

See footnotes for important warranty information
US model(s) announced November 8, 2012

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IdeaPad™ Yoga 11 (Windows RT) - web only models

Personal Systems Reference (PSREF)

Type-model / part number	Processor	GHz	Cores	Memory	Widescreen display	CCFL or LED	Multi-touch	Camera	Integrated graphics	Storage	PCIe Mini Card 802.11	Top color	Blue-tooth	Battery	Windows preload	Avail date (mm/yy)
2696-2BU	Tegra3 T30	1.30	Quad	2GB	11.6" HD	LED	5-Point	720p	ULP GeForce	32GB ⁸	11b/g/n ²⁸	Gray	BT4.0	4-cell	Win RT	12/12
2696-2CU	Tegra3 T30	1.30	Quad	2GB	11.6" HD	LED	5-Point	720p	ULP GeForce	64GB	11b/g/n	Gray	BT4.0	4-cell	Win RT	12/12

- **World's slimmest multi-mode PC with 4 unique ways to use it – notebook, tablet, stand, and tent**
- **11.6" HD screen with wide viewing angle, only 15.6mm thick and 1.24kg in weight**
- **5-point multi-touch screen that folds back 360°**
- **Long battery life for extended use on the move; up to 13 hours long battery life**
- **AccuType keyboard with individual rounded keys for accurate typing**

Positioning	<i>Multi-mode PC</i>										Preloaded operating system²⁰ - Windows® RT				
Processor	NVIDIA® Tegra® 3 T30										Preloaded applications¹⁴ (only some listed)				
CPU	Quad-Core (Single-Core: up to 1.4 GHz / Quad-Core: up to 1.3 GHz), 1MB L2 cache, ARM® Cortex™-A9 architecture										<ul style="list-style-type: none"> • eBay • Evernote • Lenovo Setting • Rara Streaming • Microsoft Office Home and Student 2013 RT (Included in Windows RT) 				
GPU	NVIDIA ULP (Ultra-low power) GeForce GPU, integrated in Tegra 3, provides dedicated 2D/3D graphics hardware accelerator, OpenGL ES 2.0 supports 1080p Full HD video out via HDMI connector														
Memory	2GB std / 2GB max ⁷ / PC3-12800 1600MHz DDR3L*, soldered to systemboard, no sockets * System automatically clocks down to 1500MHz for NVIDIA Tegra3 T30 processor														
Diskette drive	None														
Optical drive	None														
Storage	32GB or 64GB / eMMC (embedded Multi Media Card) flash memory on board														
Widescreen display	11.6" (294mm) HD (1366x768) TFT color, VA (Vertical Alignment) technology, VibrantView (glossy), LED backlight, 350 nits, 16:9 aspect ratio, 800:1 contrast ratio Viewing angle: 170° (+/- 85°) horizontal, 170° (+/- 85°) vertical														
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 5-point, One Glass Solution														
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator														
Keyboard	AccuType keyboard, ISO full-size, 6-row, Fn keys														
Control buttons	Volume up / down button, screen rotation lock button, Windows button, and power button														
Touch pad	One-piece touch pad with scroll feature, multi-touch														
Light sensor	Ambient Light Sensor														
G-sensor	Accelerometer (G) sensor, supports 3-axis accelerometer														
Gyroscope	3-axis gyroscope														
eCompass	Digital compass														
Dimensions ³	4-cell: (WxDxH): 11.7" x 8.0" x 0.61"; 298mm x 204mm x 15.6mm														
Weight ²	4-cell: starting at 2.73 lb (1.24kg)														
Case color	Top: Clementine Orange or Silver Gray top; Bottom: Clementine Orange or Silver Gray, color matches top color										45-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant				
Case material	Top: magnesium aluminium alloy Bottom: magnesium aluminium alloy														
Battery - type	Lithium Polymer, 4-cell, 42Wh										Limited Warranty¹²				
Battery - life ¹⁰	4-cell: up to 13 hr										<ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 				
ExpressCard/34	None														
Multicard reader	SD card reader														
Ports	Two USB 2.0, external monitor (HDMI)														
TV tuner	None														
PCIe Mini Card	None														
11b/g/n	11b/g/n wireless ⁴ , Broadcom® BCM4330, Wi-Fi + Bluetooth 4.0 combo chip, 1x1, SDIO interface														
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth 4.0 combo chip														
Modem	None														
Ethernet	None														
Audio support	High Definition (HD) Audio, Realtek® ALC5642 codec / stereo speakers (0.5 watt x 2), microphone, microphone input and headphone combo jack (3.5 mm)														
Security	Administrator password														
Fingerprint reader	None														

See footnotes for important warranty information
US model(s) announced December 13, 2012

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Lenovo IdeaPad Yoga 13
(Silver Gray)



Lenovo IdeaPad Yoga 13
(Silver Gray)



Lenovo IdeaPad Yoga 13
(Silver Gray)



Lenovo IdeaPad Yoga 13
(Silver Gray)



Lenovo IdeaPad Yoga 13
(Silver Gray)



Lenovo IdeaPad Yoga 13
(Silver Gray)

Part number	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Multi-touch	Cam-era	Integrated graphics	SATA SSD	PcLe Mini Card 802.11	Top color	Blue-tooth	Battery	Win8 preload	Avail date (mm/yy)
59340248	i5-3317U	1.70	2.60	4GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	128GB ⁸	11b/g/n ²⁸	Gray	BT4.0	4-cell	Win8 64	10/12
59359568	i3-3227U	1.90		4GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	128GB	11b/g/n	Gray	BT4.0	4-cell	Win8 64	02/13
59359567	i5-3337U	1.80	2.70	4GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	128GB	11b/g/n	Gray	BT4.0	4-cell	Win8 64	02/13
59359564	i7-3537U	2.00	3.10	8GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	256GB	11b/g/n	Gray	BT4.0	4-cell	Win8 64	02/13
59367091	i5-3337U	1.80	2.70	4GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	128GB	11b/g/n	Orange	BT4.0	4-cell	Win8 64	03/13
59366628	i5-3337U	1.80	2.70	8GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	256GB	11b/g/n	Gray	BT4.0	4-cell	Win8 64	03/13

- **World's 1st multi-mode Ultrabook providing the ultimate flexibility between work and play – use as a notebook, tablet, stand, or tent**
- **13.3" HD+ IPS screen with wide viewing angle, only 16.9mm thick and 1.5kg in weight**
- **10-point multi-touch screen that folds back 360°**
- **Long battery life for extended use on the move; up to 8 hours long battery life**
- **Integrated stereo speakers (1 watt x 2) supporting Dolby Home Theater v4 certification for immersive surround sound**
- **AccuType keyboard with individual rounded keys for accurate typing**
- **Lenovo OneKey Recovery makes data backup and recovery simple**

Positioning Processor	Multi-mode Ultrabook™ Intel® Core™ i3-3227U processor (2 cores / 4 threads, 1.90 GHz, 3MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz) Intel Core i5-3317U processor (2 cores / 4 threads, 1.70 GHz, 3MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.60GHz) Intel Core i5-3337U processor (2 cores / 4 threads, 1.80 GHz, 3MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.70GHz) Intel Core i7-3537U processor (2 cores / 4 threads, 2.00 GHz, 4MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz)	Preloaded operating system ²⁰ - Windows 8 64-bit Preloaded applications ¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • Lenovo Motion Control • Lenovo Transition • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Absolute Reminder • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management Software • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • Rara Streaming • Lenovo Companion • Birzzle™
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3L , non-parity, one 204-pin SO-DIMM socket	65-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant
Diskette drive	None	
Optical drive	None	
mSATA™ SSD	128GB or 256GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot, SATA 3.0Gb/s	
Widescreen display	13.3" (337.8mm) HD+ (1600x900) TFT color, IPS Panel, VibrantView (glossy), LED backlight , 300 nits, 16:9 aspect ratio, 500:1 contrast ratio Viewing angle: 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical	
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point, One Glass Solution	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel HD Graphics 4000 in processor, external digital monitor support via HDMI connector	
Keyboard	AccuType keyboard, ISO full-size, 6-row, Fn keys	
Control buttons	Volume up / down button, screen rotation lock button, Windows button, and power button	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Light sensor	Ambient Light Sensor	Limited Warranty ¹² ⇨ 1-year parts and labor ⇨ Depot repair service ¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair ¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair ¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
G-sensor	Accelerometer (G) sensor, supports 3-axis accelerometer	
Gyroscope	3-axis gyroscope	
eCompass	Digital compass	
Dimensions ³	4-cell: (WxDxH): 13.1" x 8.9" x 0.67" ; 333.4mm x 224.8mm x 16.9mm	
Weight ²	4-cell: starting at 3.40 lb (1.54kg)	
Case color	Top: Clementine Orange or Silver Gray top; Bottom: Clementine Orange or Silver Gray, color matches top color	
Case material	Top: magnesium aluminium alloy Bottom: magnesium aluminium alloy	
Battery - type	Lithium Polymer, 4-cell, 54Wh / 3700mAh	
Battery - life ¹⁰	4-cell: up to 8 hr	
Chipset	Mobile Intel QS77 Express Chipset	
ExpressCard/34	None	
Multicard reader	2-in-1 reader (SD, MMC)	
Ports	One USB 2.0, one USB 3.0, external monitor (HDMI)	
TV tuner	None	
PCIe Mini Card	Two PCI Express Mini Card slots	
11b/g/n	11b/g/n wireless ⁴ , Realtek® RTL8732, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1, USB interface	
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth 4.0 combo adapter	
Modem	None	
Ethernet	None	
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (1 watt x 2), Dolby® Home Theater® v4 certified/ microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Power on password, Supervisor password, and hard disk password	
Fingerprint reader	None	

See footnotes for important warranty information

US model(s) announced March 6, 2013; previous model(s) on October 24, 2012 or February 21, 2013

IdeaPad™ Yoga 13 (Windows 8) - web only models

Personal Systems Reference (PSREF)

Type-model / Part number	Processor	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Multi-touch	Camera	Integrated graphics	SATA SSD	PCIe Mini Card 802.11	Top color	Blue-tooth	Battery	Win8 preload	Avail date (mm/yy)
59343897	i3-3217U	1.80	4GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	128GB ⁸	11b/g/n ²⁸	Gray	BT4.0	4-cell	Win8 64	10/12
59343898	i5-3317U	1.70	2.60 8GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	128GB	11b/g/n	Gray	BT4.0	4-cell	Win8 64	10/12
59343899	i7-3517U	1.90	3.00 8GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	128GB	11b/g/n	Gray	BT4.0	4-cell	Win8 64	10/12
2191-2XU	i5-3317U	1.70	2.60 8GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	128GB	11b/g/n	Orange	BT4.0	4-cell	Win8 64	12/12
2191-35U	i7-3517U	1.90	3.00 8GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	128GB	11b/g/n	Orange	BT4.0	4-cell	Win8 64	12/12
59355467	i7-3517U	1.90	3.00 8GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	256GB	11b/g/n	Orange	BT4.0	4-cell	Win8 64	12/12
59359494	i7-3517U	1.90	3.00 8GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	256GB	11b/g/n	Gray	BT4.0	4-cell	Win8 Pro64	12/12
2191-33U	i3-3217U	1.80	4GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	128GB	11b/g/n	Orange	BT4.0	4-cell	Win8 64	01/13
59366350	i7-3537U	2.00	3.10 8GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	256GB	11b/g/n	Gray	BT4.0	4-cell	Win8 Pro64	01/13
59366358	i5-3337U	1.80	8GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	128GB	11b/g/n	Gray	BT4.0	4-cell	Win8 64	02/13
59366360	i7-3537U	2.00	3.10 8GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	256GB	11b/g/n	Gray	BT4.0	4-cell	Win8 64	02/13

- **World's 1st multi-mode Ultrabook providing the ultimate flexibility between work and play – use as a notebook, tablet, stand, or tent**
- **13.3" HD+ IPS screen with wide viewing angle, only 16.9mm thick and 1.5kg in weight**
- **10-point multi-touch screen that folds back 360°**
- **Long battery life for extended use on the move; up to 8 hours long battery life**

Positioning Processor	Multi-mode Ultrabook™ Intel® Core™ i3-3217U processor (2 cores / 4 threads, 1.80 GHz, 3MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Core i5-3317U processor (2 cores / 4 threads, 1.70 GHz, 3MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.60GHz) Intel Core i5-3337U processor (2 cores / 4 threads, 1.80 GHz, 3MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.70GHz) Intel Core i7-3517U processor (2 cores / 4 threads, 1.90 GHz, 4MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.00GHz) Intel Core i7-3537U processor (2 cores / 4 threads, 2.00 GHz, 4MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz)	Preloaded operating system ²⁰ - Some: Windows® 8 64-bit - Some: Windows 8 Pro 64-bit Preloaded applications ¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • Lenovo Motion Control • Lenovo Transition • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Absolute Reminder • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management Software • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • Rara Streaming • Lenovo Companion • Birzzle™
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3L , non-parity, one 204-pin SO-DIMM socket	65-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant
Diskette drive	None	
Optical drive	None	
mSATA™ SSD	128GB or 256GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot, SATA 3.0Gb/s	
Widescreen display	13.3" (337.8mm) HD+ (1600x900) TFT color, IPS Panel, VibrantView (glossy), LED backlight , 300 nits, 16:9 aspect ratio, 500:1 contrast ratio Viewing angle: 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical Projected Capacitive Touch (PCT) technology, supports 10-point, One Glass Solution HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Multi-touch		
Camera		
Integrated graphics	Intel HD Graphics 4000 in processor, external digital monitor support via HDMI connector	
Keyboard	AccuType keyboard, ISO full-size, 6-row, Fn keys	
Control buttons	Volume up / down button, screen rotation lock button, Windows button, and power button	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Light sensor	Ambient Light Sensor	
G-sensor	Accelerometer (G) sensor, supports 3-axis accelerometer	
Gyroscope	3-axis gyroscope	
eCompass	Digital compass	
Dimensions ³	4-cell: (WxDxH): 13.1" x 8.9" x 0.67" ; 333.4mm x 224.8mm x 16.9mm	
Weight ²	4-cell: starting at 3.40 lb (1.54kg)	
Case color	Top: Clementine Orange or Silver Gray top; Bottom: Clementine Orange or Silver Gray, color matches top color	
Case material	Top: magnesium aluminium alloy Bottom: magnesium aluminium alloy	
Battery - type	Lithium Polymer, 4-cell, 54Wh / 3700mAh	
Battery - life ¹⁰	4-cell: up to 8 hr	
Chipset	Mobile Intel QS77 Express Chipset	Limited Warranty ¹² ↪ 1-year parts and labor ↪ Depot repair service ¹⁹ ↪ Service upgrade options (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair ¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair ¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
ExpressCard/34	None	
Multicard reader	2-in-1 reader (SD, MMC)	
Ports	One USB 2.0, one USB 3.0, external monitor (HDMI)	
TV tuner	None	
PCIe Mini Card	Two PCI Express Mini Card slots	
11b/g/n	11b/g/n wireless ⁴ , Realtek® RTL8732, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1, USB interface	
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth 4.0 combo adapter	
Modem	None	
Ethernet	None	
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (1 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Power on password, Supervisor password, and hard disk password	
Fingerprint reader	None	

See footnotes for important warranty information

☞ US model(s) announced January 30, 2013; previous model(s) on October 24 or December 13, 2012

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(MOCC2-2) February 2013

IdeaPad™ Yoga 13 (Windows 8) - web only models (March 2013)

Personal Systems Reference (PSREF)

Type-model / Part number	Processor	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Multi-touch	Camera	Integrated graphics	SATA SSD	PCIe Mini Card 802.11	Top color	Blue-tooth	Battery	Win8 preload	Avail date (mm/yy)
59366353	i3-3227U	1.90	8GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	128GB ⁸	11b/g/n ²⁸	Gray	BT4.0	4-cell	Win8 64	03/13
59366348	i5-3337U	1.80	2.70 8GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	128GB	11b/g/n	Orange	BT4.0	4-cell	Win8 64	03/13
59366347	i7-3537U	2.00	3.10 8GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	256GB	11b/g/n	Orange	BT4.0	4-cell	Win8 64	03/13
59366357	i5-3337U	1.80	2.70 8GBx1	13.3" HD+ IPS	LED	10-Point	720p	Intel HD 4000	256GB	11b/g/n	Gray	BT4.0	4-cell	Win8 64	04/13

- **World's 1st multi-mode Ultrabook providing the ultimate flexibility between work and play – use as a notebook, tablet, stand, or tent**
- **13.3" HD+ IPS screen with wide viewing angle, only 16.9mm thick and 1.5kg in weight**
- **10-point multi-touch screen that folds back 360°**
- **Long battery life for extended use on the move; up to 8 hours long battery life**
- **Integrated stereo speakers (1 watt x 2) supporting Dolby Home Theater v4 certification for immersive surround sound**
- **AccuType keyboard with individual rounded keys for accurate typing**
- **Lenovo OneKey Recovery makes data backup and recovery simple**

Positioning Processor	<i>Multi-mode Ultrabook™</i> Intel® Core™ i3-3227U processor (2 cores / 4 threads, 1.90 GHz, 3MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Core i5-3337U processor (2 cores / 4 threads, 1.80 GHz, 3MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.70GHz) Intel Core i7-3537U processor (2 cores / 4 threads, 2.00 GHz, 4MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz)	Preloaded operating system²⁰ - Windows® 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • Lenovo Motion Control • Lenovo Transition • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Absolute Reminder • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management Software • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • Rara Streaming • Lenovo Companion • Birzzle™
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3L , non-parity, one 204-pin SO-DIMM socket	
Diskette drive	None	
Optical drive	None	
mSATA™ SSD	128GB or 256GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot, SATA 3.0Gb/s	
Widescreen display	13.3" (337.8mm) HD+ (1600x900) TFT color, IPS Panel, VibrantView (glossy), LED backlight , 300 nits, 16:9 aspect ratio, 500:1 contrast ratio Viewing angle: 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical	
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point, One Glass Solution	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel HD Graphics 4000 in processor, external digital monitor support via HDMI connector	
Keyboard	AccuType keyboard, ISO full-size, 6-row, Fn keys	
Control buttons	Volume up / down button, screen rotation lock button, Windows button, and power button	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Light sensor	Ambient Light Sensor	
G-sensor	Accelerometer (G) sensor, supports 3-axis accelerometer	
Gyroscope	3-axis gyroscope	
eCompass	Digital compass	
Dimensions ³	<i>4-cell: (WxDxH):</i> 13.1" x 8.9" x 0.67"; 333.4mm x 224.8mm x 16.9mm	
Weight ²	<i>4-cell:</i> starting at 3.40 lb (1.54kg)	
Case color	<i>Top:</i> Clementine Orange or Silver Gray top; <i>Bottom:</i> Clementine Orange or Silver Gray, color matches top color	
Case material	<i>Top:</i> magnesium aluminium alloy <i>Bottom:</i> magnesium aluminium alloy	
Battery - type	Lithium Polymer, 4-cell, 54Wh / 3700mAh	
Battery - life ¹⁰	<i>4-cell:</i> up to 8 hr	65-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant
Chipset	Mobile Intel QS77 Express Chipset	Limited Warranty¹²
ExpressCard/34	None	↪ 1-year parts and labor
Multicard reader	2-in-1 reader (SD, MMC)	↪ Depot repair service¹⁹
Ports	One USB 2.0, one USB 3.0, external monitor (HDMI)	↪ Service upgrade options (in eligible locations):⁹
TV tuner	None	• 1-year Lenovo Onsite Repair¹³ 78Y1532
PCIe Mini Card	Two PCI Express Mini Card slots	• 1-year Onsite with accidental damage protection 78Y1533
11b/g/n	11b/g/n wireless ⁴ , Realtek® RTL8732, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1, USB interface	• 2-year Lenovo Onsite Repair¹³ 78Y1536
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth 4.0 combo adapter	• 3-year Lenovo Depot Repair 78Y1538
Modem	None	
Ethernet	None	
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (1 watt x 2), Dolby® Home Theater® v4 certified/ microphone, microphone input and headphone combo jack (3.5 mm)	↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Security	Power on password, Supervisor password, and hard disk password	
Fingerprint reader	None	

See footnotes for important warranty information

☞ US model(s) announced April 17, 2013; previous model(s) on March 6, 2013

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(MOCC2-3) April 2013



Lenovo IdeaPad U300s
(Clementine Orange)



Lenovo IdeaPad U300s
(Clementine Orange)



Lenovo IdeaPad U300s
(Graphite Gray)



Lenovo IdeaPad U300s
(Clementine Orange)



Lenovo IdeaPad U300s



Lenovo IdeaPad U300s
(Graphite Gray)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Integrated graphics	SATA SSD	PCIe Mini Card 802.11	Top color	Bluetooth	Battery	Win7 preload	Avail date
1080-2BU	i5-2467M	1.60	2.30	4GB	13.3" HD LED	1.3M	Intel HD 3000	128GB ⁸	Intel 1030 ²⁸	Gray	Bluetooth	4-cell	Prem 64	Nov 11
1080-27U	i7-2677M	1.80	2.90	4GB	13.3" HD LED	1.3M	Intel HD 3000	256GB	Intel 1030	Orange	Bluetooth	4-cell	Prem 64	Nov 11
1080-26U	i7-2677M	1.80	2.90	4GB	13.3" HD LED	1.3M	Intel HD 3000	256GB	Intel 1030	Gray	Bluetooth	4-cell	Prem 64	Nov 11

- **Ultra slim and light design for easy mobility**
- **13.3" HD widescreen, glossy display with LED backlight**
- **Breathable Keyboard, an Intel Advanced Cooling Technology that allows the PC to run cooler on your lap by letting airflow through the keyboard**
- **Integrated 1.3 megapixel camera**
- **SRS Premium Surround Sound certified audio system with stereo speakers (1 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	Widescreen Ultrabook™ Intel® Core™ i5-2467M processor (2 cores / 4 threads, 1.60GHz, 3MB cache), integrated Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.30GHz) Intel Core i7-2677M processor (2 cores / 4 threads, 1.80 GHz, 4MB cache), integrated Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz)										Preloaded operating system²⁰ - Genuine Windows 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • Microsoft Security Essentials • Adobe® Reader® • Adobe Flash® Player • Windows Live™ Essentials • CyberLink YouCam • Lenovo Energy Management Software • Absolute Reminder • Microsoft Office 2010 preloaded; purchase product key to activate 		
Memory	4GB std / 4GB max ⁷ / PC3-10600 1333MHz DDR3 , non-parity, one 204-pin SO-DIMM socket										65-watt AC adapter EPEAT™ Silver rating ENERGY STAR® 5.0-compliant RoHS-compliant Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686		
Diskette drive	None												
Optical drive	None												
SATA SSD	128GB or 256GB Solid State Drive (SSD) / NAND flash memory, SATA 3.0Gb/s												
Widescreen display	13.3" (337.8mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus												
Camera	Intel HD Graphics 3000 in processor, external digital monitor support via HDMI connector												
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button												
Light sensor	None												
Touch pad	One-piece touch pad with scroll feature, multi-touch												
Dimensions ³	4-cell: (WxDxH): 12.8" x 8.5" x 0.59" ; 324mm x 216mm x 14.9mm 4-cell: starting at 2.91 lb (1.32kg)												
Weight ²													
Case color	Top: Clementine Orange or Graphite Gray top; Bottom: Clementine Orange or Graphite Gray, color matches top color												
Case material	Top: aluminum Bottom: aluminum												
Battery - type	Lithium Polymer, 4-cell												
Battery - life ¹⁰	4-cell: up to 8 hr												
Chipset	Mobile Intel QS67 Express Chipset												
ExpressCard/34	None												
Multicard reader	None												
Ports	One USB 2.0, one USB 3.0, external monitor (HDMI)												
TV tuner	None												
PCIe Mini Card	One PCI Express Mini Card slot												
Intel 1030 ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 1030, Wi-Fi + Bluetooth combo adapter, 1x2												
Bluetooth™	Bluetooth 3.0 wireless, integrated in Intel 1030 Wi-Fi + Bluetooth combo adapter												
Modem	None												
Ethernet	None												
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1 watt x 2), SRS® Premium Surround Sound™ certified / microphone, microphone input and headphone combo jack (3.5 mm)												
Security	Administrator password, hard disk password												
Fingerprint reader	None												

See footnotes for important warranty information
 US models announced November 2, 2011

IdeaPad™ U300s (1080) - web only models

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Integrated graphics	SATA SSD	PCIe Mini Card 802.11	Top color	Bluetooth	Battery	Win7 preload	Avail date
1080-29U	i7-2677M	1.80	2.90	4GB	13.3" HD LED	1.3M	Intel HD 3000	256GB ⁸	Intel 1030 ²⁸	Gray	Bluetooth	4-cell	Prem 64	Dec 11
1080-2AU	i5-2467M	1.60	2.30	4GB	13.3" HD LED	1.3M	Intel HD 3000	128GB	Intel 1030	Gray	Bluetooth	4-cell	Prem 64	Jan 12
1080-28U	i7-2677M	1.80	2.90	4GB	13.3" HD LED	1.3M	Intel HD 3000	256GB	Intel 1030	Orange	Bluetooth	4-cell	Prem 64	Feb 12

- **Ultra slim and light design for easy mobility**
- **13.3" HD widescreen, glossy display with LED backlight**
- **Breathable Keyboard, an Intel Advanced Cooling Technology that allows the PC to run cooler on your lap by letting airflow through the keyboard**
- **Integrated 1.3 megapixel camera**
- **SRS Premium Surround Sound certified audio system with stereo speakers (1 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **This system is Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Widescreen Ultrabook™</i> Intel® Core™ i5-2467M processor (2 cores / 4 threads, 1.60 GHz, 3MB cache), integrated Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.30GHz) Intel Core i7-2677M processor (2 cores / 4 threads, 1.80 GHz, 4MB cache), integrated Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz)	Preloaded operating system²⁰ - Genuine Windows 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • Microsoft Security Essentials • Adobe® Reader® • Adobe Flash® Player • Windows Live™ Essentials • CyberLink YouCam • Lenovo Energy Management Software • Absolute Reminder • Microsoft Office 2010 preloaded; purchase product key to activate
Memory	4GB std / 4GB max ⁷ / PC3-10600 1333MHz DDR3 , non-parity, one 204-pin SO-DIMM socket	
Diskette drive	None	
Optical drive	None	
SATA SSD	128GB or 256GB Solid State Drive (SSD) / NAND flash memory, SATA 3.0Gb/s	
Widescreen display	13.3" (337.8mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Integrated graphics	Intel HD Graphics 3000 in processor, external digital monitor support via HDMI connector	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	<i>4-cell: (WxDxH):</i> 12.8" x 8.5" x 0.59"; 324mm x 216mm x 14.9mm	65-watt AC adapter EPEAT™ Silver rating ENERGY STAR® 5.0-compliant RoHS-compliant
Weight ²	<i>4-cell:</i> starting at 2.91 lb (1.32kg)	
Case color	<i>Top:</i> Clementine Orange or Graphite Gray top; <i>Bottom:</i> Clementine Orange or Graphite Gray, color matches top color	
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum	
Battery - type	Lithium Polymer, 4-cell	
Battery - life ¹⁰	<i>4-cell:</i> up to 8 hr	
Chipset	Mobile Intel QS67 Express Chipset	
ExpressCard/34	None	
Multicard reader	None	
Ports	One USB 2.0, one USB 3.0, external monitor (HDMI)	
TV tuner	None	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
PCIe Mini Card	One PCI Express Mini Card slot	
Intel 1030 ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 1030, Wi-Fi + Bluetooth combo adapter, 1x2	
Bluetooth™	Bluetooth 3.0 wireless, integrated in Intel 1030 Wi-Fi + Bluetooth combo adapter	
Modem	None	
Ethernet	None	
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1 watt x 2), SRS® Premium Surround Sound™ certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Administrator password, hard disk password	
Fingerprint reader	None	

See footnotes for important warranty information

US model(s) announced February 29, 2012; previous models on December 21, 2011 or January 18, 2012

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Lenovo IdeaPad U300e
(Graphite Gray)



Lenovo IdeaPad U300e
(Graphite Gray)



Lenovo IdeaPad U300e
(Graphite Gray)



Lenovo IdeaPad U300e
(Graphite Gray)



Lenovo IdeaPad U300e
(Graphite Gray)



Lenovo IdeaPad U300e
(Graphite Gray)

IdeaPad™ U300e (2692) - web only models

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Integrated graphics	SATA disk GB ⁸ rpm	mSATA SSD	PCIe Mini Card 802.11	Top color	Blue-tooth	Battery	Win7 preload	Avail date
2692-24U	i5-2467M	1.60	2.30	4GBx1	13.3" HD LED	1.3M	Intel HD 3000	500GB 7200	32GB	Intel 1030 ²⁸	Gray	BT3.0	4-cell	Prem 64	Feb 12
2692-25U	i5-2467M	1.60	2.30	4GBx1	13.3" HD LED	1.3M	Intel HD 3000	750GB 5400	32GB	Intel 1030	Gray	BT3.0	4-cell	Prem 64	Feb 12

- **Ultra slim and light design for easy mobility**
- **13.3" HD widescreen, glossy display with LED backlight**
- **Breathable Keyboard, an Intel Advanced Cooling Technology that allows the PC to run cooler on your lap by letting airflow through the keyboard**
- **Integrated 1.3 megapixel camera**
- **SRS Premium Surround Sound certified audio system with stereo speakers (1 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Widescreen Ultrabook™</i> Intel® Core™ i5-2467M processor (2 cores / 4 threads, 1.60 GHz, 3MB cache), integrated Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.30GHz)										Preloaded operating system²⁰ - Genuine Windows 7 Home Premium 64				
Memory	4GB std / 4GB max ⁷ / PC3-10600 1333MHz DDR3 , non-parity, one 204-pin SO-DIMM socket										Preloaded applications¹⁴ (only some listed) • Lenovo® OneKey Recovery • Microsoft Security Essentials • Adobe® Reader® • Adobe Flash® Player • Windows Live™ Essentials • CyberLink YouCam • Lenovo Energy Management Software • Absolute Reminder • Microsoft Office 2010 preloaded; purchase product key to activate				
Diskette drive	None										65-watt AC adapter EPEAT™ Silver rating ENERGY STAR® 5.0-compliant RoHS-compliant				
Optical drive	None														
SATA disk	500GB (7200 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, Active Protection System™														
mSATA™ SSD	32GB mSATA Solid State Drive (SSD)*, via PCIe Mini Card slot * For the sole purpose of supporting Intel Rapid Start Technology														
Widescreen display	13.3" (337.8mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio														
Camera	Camera on top of screen, 1.3-megapixel, fixed focus														
Integrated graphics	Intel HD Graphics 3000 in processor, external digital monitor support via HDMI connector														
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button														
Light sensor	None														
Touch pad	One-piece touch pad with scroll feature, multi-touch														
Dimensions ³	<i>4-cell: (WxDxH):</i> 12.8" x 8.5" x 0.72"; 324mm x 216mm x 18.3mm										Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686				
Weight ²	<i>4-cell:</i> starting at 3.48 lb (1.58kg)														
Case color	<i>Top:</i> Graphite Gray top; <i>Bottom:</i> Graphite Gray, color matches top color														
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum														
Battery - type	Lithium Polymer, 4-cell , 59Wh														
Battery - life ¹⁰	<i>4-cell:</i> up to 7 hr														
Chipset	Mobile Intel HM65 Express Chipset														
ExpressCard/34	None														
Multicard reader	None														
Ports	Two USB 2.0, one USB 3.0, external monitor (HDMI)														
TV tuner	None														
PCIe Mini Card	Two PCI Express Mini Card slots														
Intel 1030 ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 1030, Wi-Fi + Bluetooth combo adapter, 1x2														
Bluetooth™	Bluetooth 3.0 wireless, integrated in Intel 1030 Wi-Fi + Bluetooth combo adapter														
Modem	None														
Ethernet	Gigabit ethernet on planar, Realtek® RTL8111E														
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1 watt x 2), SRS® Premium Surround Sound™ certified / microphone, microphone input and headphone combo jack (3.5 mm)														
Security	Administrator password, hard disk password														
Fingerprint reader	None														

See footnotes for important warranty information
US model(s) announced February 29, 2012

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Lenovo IdeaPad U310
(Graphite Gray)



Lenovo IdeaPad U310
(Graphite Gray)



Lenovo IdeaPad U310
(Cherry Blossom Pink)



Lenovo IdeaPad U310
(Aqua Blue)



Lenovo IdeaPad U310
(Aqua Blue)



Lenovo IdeaPad U310

IdeaPad™ U310 (4375) - web only models

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Integrated graphics	SATA disk GB ³ rpm	mSATA SSD	PCIe Mini Card 802.11	Top color	Blue-tooth	Battery	Win7 preload	Avail date (mm/yy)
4375-22U	i3-2367M	1.40		4GBx1	13.3" HD LED	720p	Intel HD 3000	500GB 5400	None	Intel 2200 ²⁸	Gray	None	3-cell	Prem 64	06/12
4375-2VU	i3-3217U	1.80		4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	None	Intel 2200	Pink	None	3-cell	Prem 64	07/12
4375-25U	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	None	Intel 2200	Pink	None	3-cell	Prem 64	07/12
4375-23U	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	None	Intel 2200	Gray	None	3-cell	Prem 64	07/12
4375-24U	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	None	Intel 2200	Blue	None	3-cell	Prem 64	07/12

- Ultra-portable design for easy mobility; from just 18mm thick and weighing 1.68kg
- 13.3" HD widescreen, glossy display with LED backlight
- Integrated 720p HD camera
- Dolby Home Theater v4 certified audio system with stereo speakers (1.5 watt x 2)
- HDMI port
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows
- Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; one spindle Intel® Core™ i3-2367M processor (2 cores / 4 threads, 1.40 GHz, 3MB cache), integrated Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz) Intel Core i3-3217U processor (2 cores / 4 threads, 1.80 GHz, 3MB cache), integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz) Intel Core i5-3317U Processor (2 cores / 4 threads, 1.70 GHz, 3MB Cache), Turbo Boost Technology 2.0 (up to 2.60 GHz), integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz)	Preloaded operating system²⁰ - Genuine Windows 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo® OneKey Recovery • ooVoo™ • PokeTALK • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Windows Live™ Essentials • Intelligent Touchpad • CyberLink YouCam • VeriFace™ • Lenovo Energy Management Software • Absolute Reminder • Microsoft Office 2010 preloaded; purchase product key to activate
Memory	4GB std / 4GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
Optical drive	None	
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 7mm high, Active Protection System™	
SATA controller	Serial ATA, SATA 6.0GB/s, integrated in chipset	
mSATA™ SSD	None	
Widescreen display	13.3" (337.8mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel HD Graphics 3000 in processor, external digital monitor support via HDMI connector	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	<i>3-cell: (WxDxH):</i> 13.1" x 8.9" x 0.7"; 333mm x 225mm x 18mm	
Weight ²	<i>3-cell:</i> starting at 3.70 lb (1.68kg)	
Case color	<i>Top:</i> Graphite Gray, Aqua Blue, or Cherry Blossom Pink; <i>Bottom:</i> Graphite Gray, Aqua Blue, or Cherry Blossom Pink, color matches top color	
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum	
Battery - type	Lithium Polymer, 3-cell , 46Wh	40-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant
Battery - life ¹⁰	<i>3-cell:</i> up to 7 hr	
Chipset	Mobile Intel HM77 Express Chipset	Limited Warranty¹²
ExpressCard/34	None	↪ 1-year parts and labor
Multicard reader	2-in-1 reader (SD, MMC)	↪ Depot repair service¹⁹
Ports	Two USB 3.0, one USB 2.0, external monitor (HDMI)	↪ Service upgrade options (in eligible locations):⁹
TV tuner	None	• 1-year Lenovo Onsite Repair¹³ 78Y1532
PCIe Mini Card	Two PCI Express Mini Card slots	• 1-year Onsite with accidental damage protection 78Y1533
WLAN ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 2200, 2x2	• 2-year Lenovo Onsite Repair¹³ 78Y1536
Bluetooth™	None	• 3-year Lenovo Depot Repair 78Y1538
Modem	None	↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Administrator password, hard disk password	
Fingerprint reader	None	

See footnotes for important warranty information

☞ US model(s) announced July 11, 2012; previous model(s) June 6, 2012

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IdeaPad™ U310 (4375) - Ultrabook™

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Integrated graphics	SATA disk GB ³ rpm	mSATA SSD	PCIe Mini Card 802.11	Top color	Blue-tooth	Battery	Win7 preload	Avail date (mm/yy)
4375-2CU	i3-3217U	1.80		4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	32G	Intel 2200	Gray	None	3-cell	Prem 64	07/12
4375-2BU	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	32G	Intel 2200	Gray	None	3-cell	Prem 64	07/12
4375-2JU	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	32G	Intel 2200	Blue	None	3-cell	Prem 64	07/12
4375-2QU	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	32G	Intel 2200	Pink	None	3-cell	Prem 64	07/12

- **Ultra-portable design for easy mobility; from just 18mm thick and weighing 1.68kg**
- **13.3" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (1.5 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning	<i>Ultrabook; one spindle</i>	Preloaded operating system²⁰ - Genuine Windows 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo® OneKey Recovery • ooVoo™ • PokeTALK • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Windows Live™ Essentials™ • Intelligent Touchpad • CyberLink YouCam • VeriFace™ • Lenovo Energy Management Software • Absolute Reminder • Microsoft Office 2010 preloaded; purchase product key to activate
Processor	Intel® Core™ i3-3217U processor (2 cores / 4 threads, 1.80 GHz, 3MB cache), integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz) Intel Core i5-3317U Processor (2 cores / 4 threads, 1.70 GHz, 3MB Cache), Turbo Boost Technology 2.0 (up to 2.60 GHz), integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz)	
Memory	4GB std / 4GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
Optical drive	None	
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 7mm high, Active Protection System™	
SATA controller	Serial ATA, SATA 6.0GB/s, integrated in chipset	
mSATA™ SSD	32GB mSATA Solid State Drive (SSD)*, via PCIe Mini Card slot * For the sole purpose of supporting Intel Rapid Start Technology	
Widescreen display	13.3" (337.8mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, external digital monitor support via HDMI connector	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	3-cell: (WxDxH): 13.1" x 8.9" x 0.7"; 333mm x 225mm x 18mm 3-cell: starting at 3.70 lb (1.68kg)	
Weight ²		
Case color	Top: Graphite Gray, Aqua Blue, or Cherry Blossom Pink; Bottom: Graphite Gray, Aqua Blue, or Cherry Blossom Pink, color matches top color	
Case material	Top: aluminum Bottom: aluminum	
Battery - type	Lithium Polymer, 3-cell , 46Wh	
Battery - life ¹⁰	3-cell: up to 7 hr	
Chipset	Mobile Intel HM77 Express Chipset	
ExpressCard/34	None	
Multicard reader	2-in-1 reader (SD, MMC)	
Ports	Two USB 3.0, one USB 2.0, external monitor (HDMI)	
TV tuner	None	
PCIe Mini Card	Two PCI Express Mini Card slots	
WLAN ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 2200, 2x2	
Bluetooth™	None	
Modem	None	
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Administrator password, hard disk password	
Fingerprint reader	None	
		Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
 US model(s) announced July 11, 2012

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IdeaPad™ U310 (Ultrabook™) - Windows 8

Personal Systems Reference (PSREF)

Part number	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Integrated graphics	SATA disk GB ³ rpm	mSATA SSD	PCIe Mini Card 802.11	Top color	Blue-tooth	Battery	Win8 preload	Avail date (mm/yy)
59351642	i3-3217U	1.80		4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	24G	Intel 2200	Gray	None	3-cell	Win8 64	11/12
59351647	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	24G	Intel 2200	Gray	None	3-cell	Win8 64	11/12
59351641	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	24G	Intel 2200	Blue	None	3-cell	Win8 64	11/12
59351644	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	24G	Intel 2200	Pink	None	3-cell	Win8 64	11/12
59351646	i7-3517U	1.90	3.00	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	24G	Intel 2200	Gray	None	3-cell	Win8 64	11/12

- **Ultra-portable design for easy mobility; from just 18mm thick and weighing 1.68kg**
- **13.3" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (1.5 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning	<i>Ultrabook; one spindle</i>										Preloaded operating system ²⁰ - Windows® 8 64-bit				
Processor	Intel® Core™ i3-3217U processor (2 cores / 4 threads, 1.80 GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i5-3317U Processor (2 cores / 4 threads, 1.70 GHz, 3MB Cache), DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 2.60 GHz), integrated Intel HD Graphics 4000 Intel Core i7-3517U processor (2 cores / 4 threads, 1.90GHz, 4MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.00GHz), integrated Intel HD Graphics 4000										Preloaded applications ¹⁴ (only some listed) - Traditional Desktop apps <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management • Intel AppUp® - Windows Store apps (Metro-style) <ul style="list-style-type: none"> • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • MaAfee • Lenovo Support • Rara Streaming • Lenovo Companion 				
Memory	4GB std / 4GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller														
Diskette drive	None														
Optical drive	None														
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 7mm high, Active Protection System™														
SATA controller	Serial ATA, SATA 6.0GB/s, integrated in chipset														
mSATA™ SSD	24GB mSATA Solid State Drive (SSD)*, via PCIe Mini Card slot * For the sole purpose of supporting Intel Rapid Start Technology														
Widescreen display	13.3" (337.8mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio														
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator														
Integrated graphics	Intel HD Graphics 4000 in processor, external digital monitor support via HDMI connector														
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button														
Light sensor	None														
Touch pad	One-piece touch pad with scroll feature, multi-touch														
Dimensions ³	<i>3-cell: (WxDxH): 13.1" x 8.9" x 0.7"</i> ; 333mm x 225mm x 18mm														
Weight ²	<i>3-cell: starting at 3.70 lb (1.68kg)</i>														
Case color	<i>Top:</i> Graphite Gray, Aqua Blue, or Cherry Blossom Pink; <i>Bottom:</i> Graphite Gray, Aqua Blue, or Cherry Blossom Pink, color matches top color														
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum										40-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant				
Battery - type	Lithium Polymer, 3-cell , 46Wh														
Battery - life ¹⁰	<i>3-cell:</i> up to 7 hr														
Chipset	Mobile Intel HM77 Express Chipset										Limited Warranty ¹²				
ExpressCard/34	None										↪ 1-year parts and labor				
Multicard reader	2-in-1 reader (SD, MMC)										↪ Depot repair service ¹⁹				
Ports	Two USB 3.0, one USB 2.0, external monitor (HDMI)										↪ Service upgrade options (in eligible locations): ⁹				
TV tuner	None										• 1-year Lenovo Onsite Repair ¹³ 78Y1532				
PCIe Mini Card	Two PCI Express Mini Card slots										• 1-year Onsite with accidental damage protection 78Y1533				
WLAN ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 2200, 2x2										• 2-year Lenovo Onsite Repair ¹³ 78Y1536				
Bluetooth™	None										• 3-year Lenovo Depot Repair 78Y1538				
Modem	None										↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686				
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E														
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)														
Security	Administrator password, hard disk password														
Fingerprint reader	None														

See footnotes for important warranty information
US model(s) announced November 28, 2012

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(CHPN1-4) November 2012

IdeaPad™ U310 (Windows 8) - web only models

Personal Systems Reference (PSREF)

Type-model / part number	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Integrated graphics	SATA disk GB ³ rpm	mSATA SSD	PCIe Mini Card 802.11	Top color	Blue-tooth	Battery	Win8 preload	Avail date (mm/yy)
4375-B2U	i3-3217U	1.80		4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	None	Intel 2230 ²⁸	Gray	BT4.0	3-cell	Win8 64	11/12
4375-B8U	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	None	Intel 2230	Gray	BT4.0	3-cell	Win8 64	11/12
4375-B9U	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	None	Intel 2230	Pink	BT4.0	3-cell	Win8 64	11/12
4375-BAU	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	None	Intel 2230	Blue	BT4.0	3-cell	Win8 64	11/12
59371845	i3-3227U	1.90		4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	None	Intel 2230	Gray	BT4.0	3-cell	Win8 64	03/13
59371841	i5-3337U	1.80	2.70	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	None	Intel 2230	Gray	BT4.0	3-cell	Win8 64	03/13
59371842	i5-3337U	1.80	2.70	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	None	Intel 2230	Blue	BT4.0	3-cell	Win8 64	03/13
59371834	i5-3337U	1.80	2.70	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	None	Intel 2230	Pink	BT4.0	3-cell	Win8 64	03/13

- **Ultra-portable design for easy mobility; from just 18mm thick and weighing 1.68kg**
- **13.3" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (1.5 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning	<i>Widescreen flexibility; one spindle</i>	Preloaded operating system²⁰ - Windows [®] 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee[®] Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management • Intel AppUp[®] - Windows Store apps (Metro-style) <ul style="list-style-type: none"> • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • MaAfee • Lenovo Support • Rara Streaming • Lenovo Companion
Processor	Intel[®] Core[™] i3-3217U processor (2 cores / 4 threads, 1.80 GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i3-3227U processor (2 cores / 4 threads, 1.90 GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i5-3317U Processor (2 cores / 4 threads, 1.70 GHz, 3MB Cache), DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 2.60 GHz), integrated Intel HD Graphics 4000 Intel Core i5-3337U Processor (2 cores / 4 threads, 1.80 GHz, 3MB Cache), DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 2.70 GHz), integrated Intel HD Graphics 4000	
Memory	4GB std / 4GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
Optical drive	None	
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 7mm high, Active Protection System [™]	
SATA controller	Serial ATA, SATA 6.0GB/s, integrated in chipset	
mSATA [™] SSD	None	
Widescreen display	13.3" (337.8mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel HD Graphics 4000 in processor, external digital monitor support via HDMI connector	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	<i>3-cell: (WxDxH):</i> 13.1" x 8.9" x 0.7"; 333mm x 225mm x 18mm	
Weight ²	<i>3-cell:</i> starting at 3.70 lb (1.68kg)	
Case color	<i>Top:</i> Graphite Gray, Aqua Blue, or Cherry Blossom Pink; <i>Bottom:</i> Graphite Gray, Aqua Blue, or Cherry Blossom Pink, color matches top color	
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum	
Battery - type	Lithium Polymer, 3-cell , 46Wh	
Battery - life ¹⁰	<i>3-cell:</i> up to 7 hr	
Chipset	Mobile Intel HM77 Express Chipset	
ExpressCard/34	None	
Multicard reader	2-in-1 reader (SD, MMC)	
Ports	Two USB 3.0, one USB 2.0, external monitor (HDMI)	
TV tuner	None	
PCIe Mini Card	Two PCI Express Mini Card slots	
Intel 2230 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino [®] Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter	
Bluetooth [™]	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Modem	None	
Ethernet	10/100 ethernet on planar, Realtek [®] RTL8105E	
Audio support	High Definition (HD) Audio, Conexant [®] CX20672 codec / stereo speakers (1.5 watt x 2), Dolby [®] Home Theater [®] v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Administrator password, hard disk password	
Fingerprint reader	None	
	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686	

See footnotes for important warranty information

☞ US model(s) announced March 27, 2013; previous model(s) on November 28, 2012

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(CHPN1-5) March 2013

IdeaPad™ U310 (4375) - Ultrabook™ (web only models)

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Integrated graphics	SATA disk GB ³ rpm	mSATA SSD	PCIe Mini Card 802.11	Top color	Blue-tooth	Battery	Win7 preload	Avail date (mm/yy)
4375-2WU	i3-3217U	1.80		4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	32G	Intel 2200	Gray	None	3-cell	Prem 64	07/12
4375-26U	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	32G	Intel 2200	Gray	None	3-cell	Prem 64	07/12
4375-2TU	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	32G	Intel 2200	Blue	None	3-cell	Prem 64	07/12
4375-2UU	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	32G	Intel 2200	Pink	None	3-cell	Prem 64	07/12

- **Ultra-portable design for easy mobility; from just 18mm thick and weighing 1.68kg**
- **13.3" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (1.5 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning	<i>Ultrabook; one spindle</i>	Preloaded operating system ²⁰ - Genuine Windows 7 Home Premium 64 Preloaded applications ¹⁴ (only some listed) • Lenovo® OneKey Recovery • ooVoo™ • PokeTALK • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Windows Live™ Essentials™ • Intelligent Touchpad • CyberLink YouCam • VeriFace™ • Lenovo Energy Management Software • Absolute Reminder • Microsoft Office 2010 preloaded; purchase product key to activate
Processor	Intel® Core™ i3-3217U processor (2 cores / 4 threads, 1.80 GHz, 3MB cache), integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz) Intel Core i5-3317U Processor (2 cores / 4 threads, 1.70 GHz, 3MB Cache), Turbo Boost Technology 2.0 (up to 2.60 GHz), integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz)	
Memory	4GB std / 4GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
Optical drive	None	
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 7mm high, Active Protection System™	
SATA controller	Serial ATA, SATA 6.0GB/s, integrated in chipset	
mSATA™ SSD	32GB mSATA Solid State Drive (SSD)*, via PCIe Mini Card slot * For the sole purpose of supporting Intel Rapid Start Technology	
Widescreen display	13.3" (337.8mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, external digital monitor support via HDMI connector	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	3-cell: (WxDxH): 13.1" x 8.9" x 0.7"; 333mm x 225mm x 18mm	
Weight ²	3-cell: starting at 3.70 lb (1.68kg)	
Case color	Top: Graphite Gray, Aqua Blue, or Cherry Blossom Pink; Bottom: Graphite Gray, Aqua Blue, or Cherry Blossom Pink, color matches top color	
Case material	Top: aluminum Bottom: aluminum	
Battery - type	Lithium Polymer, 3-cell , 46Wh	
Battery - life ¹⁰	3-cell: up to 7 hr	
Chipset	Mobile Intel HM77 Express Chipset	
ExpressCard/34	None	
Multicard reader	2-in-1 reader (SD, MMC)	
Ports	Two USB 3.0, one USB 2.0, external monitor (HDMI)	
TV tuner	None	
PCIe Mini Card	Two PCI Express Mini Card slots	
WLAN ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 2200, 2x2	
Bluetooth™	None	
Modem	None	
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Administrator password, hard disk password	
Fingerprint reader	None	
		Limited Warranty ¹² ⇨ 1-year parts and labor ⇨ Depot repair service ¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair ¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair ¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686

See footnotes for important warranty information
 US model(s) announced July 11, 2012

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IdeaPad™ U310 (4375) - Ultrabook™ (Windows 8) - web only models

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Integrated graphics	SATA disk GB ³ rpm	mSATA SSD	PCIe Mini Card 802.11	Top color	Blue-tooth	Battery	Win8 preload	Avail date (mm/yy)
4375-BFU	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	24G	Intel 2230	Gray	BT4.0	3-cell	Win8 64	11/12
4375-BGU	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	24G	Intel 2230	Pink	BT4.0	3-cell	Win8 64	11/12
4375-BHU	i5-3317U	1.70	2.60	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	24G	Intel 2230	Blue	BT4.0	3-cell	Win8 64	11/12
4375-BJU	i7-3517U	1.90	3.00	4GBx1	13.3" HD LED	720p	Intel HD 4000	500GB 5400	24G	Intel 2230	Gray	BT4.0	3-cell	Win8 64	11/12

- **Ultra-portable design for easy mobility; from just 18mm thick and weighing 1.68kg**
- **13.3" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (1.5 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning	<i>Ultrabook; one spindle</i>	Preloaded operating system²⁰ - Windows [®] 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee[®] Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management • Intel AppUp[®] - Windows Store apps (Metro-style) <ul style="list-style-type: none"> • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • Rara Streaming • Lenovo Companion
Processor	Intel[®] Core[™] i5-3317U Processor (2 cores / 4 threads, 1.70 GHz, 3MB Cache) , DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 2.60 GHz), integrated Intel HD Graphics 4000 Intel Core i7-3517U processor (2 cores / 4 threads, 1.90GHz, 4MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.00GHz), integrated Intel HD Graphics 4000	
Memory	4GB std / 4GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller	40-watt AC adapter EPEAT [™] Silver rating ENERGY STAR [®] qualified RoHS-compliant
Diskette drive	None	
Optical drive	None	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 7mm high, Active Protection System [™]	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	40-watt AC adapter EPEAT [™] Silver rating ENERGY STAR [®] qualified RoHS-compliant
mSATA [™] SSD	24GB mSATA Solid State Drive (SSD)*, via PCIe Mini Card slot * For the sole purpose of supporting Intel Rapid Start Technology	
Widescreen display	13.3" (337.8mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel HD Graphics 4000 in processor, external digital monitor support via HDMI connector	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	3-cell: (WxDxH): 13.1" x 8.9" x 0.7"; 333mm x 225mm x 18mm	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Weight ²	3-cell: starting at 3.70 lb (1.68kg)	
Case color	Top: Graphite Gray, Aqua Blue, or Cherry Blossom Pink; Bottom: Graphite Gray, Aqua Blue, or Cherry Blossom Pink, color matches top color	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Case material	Top: aluminum Bottom: aluminum	
Battery - type	Lithium Polymer, 3-cell , 46Wh	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Battery - life ¹⁰	3-cell: up to 7 hr	
Chipset	Mobile Intel HM77 Express Chipset	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
ExpressCard/34	None	
Multicard reader	2-in-1 reader (SD, MMC)	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Ports	Two USB 3.0, one USB 2.0, external monitor (HDMI)	
TV tuner	None	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
PCIe Mini Card	Two PCI Express Mini Card slots	
Intel 2230 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino [®] Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Bluetooth [™]	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Modem	None	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Ethernet	10/100 ethernet on planar, Realtek [®] RTL8105E	
Audio support	High Definition (HD) Audio, Conexant [®] CX20672 codec / stereo speakers (1.5 watt x 2), Dolby [®] Home Theater [®] v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Security	Administrator password, hard disk password	
Fingerprint reader	None	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
 US model(s) announced November 28, 2012

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 (CHPN1-6) November 2012

IdeaPad™ U310 Touch (Windows 8) - web only models

Personal Systems Reference (PSREF)

Part number	Processor	Memory	Widescreen display	Multi-touch	Camera	Integrated graphics	SATA disk GB ⁸ rpm	mSATA SSD	PCIe Mini Card 802.11	Top color	Blue-tooth	Battery	Win8 preload	Avail date (mm/yy)
59365025	i3-3227U	4GBx1	13.3" HD LED	10-Point	720p	Intel HD 4000	500GB 5400	None	Intel 2230	Gray	BT4.0	3-cell	Win8 64	03/13
59365026	i5-3337U	4GBx1	13.3" HD LED	10-Point	720p	Intel HD 4000	500GB 5400	None	Intel 2200	Gray	BT4.0	3-cell	Win8 64	03/13

- **Ultra-portable design for easy mobility; from just 18mm thick and weighing 1.8kg**
- **13.3" HD widescreen display with 10-point multi-touch, 16:9 widescreen**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (1.5 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning Processor	<i>Widescreen flexibility; one spindle</i> Intel® Core™ i3-3227U processor (2 cores / 4 threads, 1.90 GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i5-3337U Processor (2 cores / 4 threads, 1.80 GHz, 3MB Cache), DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 2.70 GHz), integrated Intel HD Graphics 4000	Preloaded operating system²⁰ - Windows® 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • Rara Streaming • Lenovo Companion
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
Optical drive	None	
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 7mm high, Active Protection System™	
SATA controller	Serial ATA, SATA 6.0GB/s, integrated in chipset	
mSATA™ SSD	None	
Widescreen display	13.3" (337.8mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio, frameless	
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point, One Glass Solution	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel HD Graphics 4000 in processor, external digital monitor support via HDMI connector	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	<i>3-cell: (WxDxH):</i> 13.1" x 8.9" x 0.7"; 333mm x 225mm x 18mm	
Weight ²	<i>3-cell:</i> starting at 3.97 lb (1.80kg)	
Case color	<i>Top:</i> Graphite Gray; <i>Bottom:</i> Graphite Gray, color matches top color	
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum	
Battery - type	Lithium Polymer, 3-cell , 46Wh	40-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant
Battery - life ¹⁰	<i>3-cell:</i> up to 6 hr	
Chipset	Mobile Intel HM77 Express Chipset	Limited Warranty¹²
ExpressCard/34	None	↪ 1-year parts and labor
Multicard reader	2-in-1 reader (SD, MMC)	↪ Depot repair service¹⁹
Ports	Two USB 3.0, one USB 2.0, external monitor (HDMI)	↪ Service upgrade options (in eligible locations):⁹
TV tuner	None	• 1-year Lenovo Onsite Repair¹³ 78Y1532
PCIe Mini Card	Two PCI Express Mini Card slots	• 1-year Onsite with accidental damage protection 78Y1533
WLAN ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter	• 2-year Lenovo Onsite Repair¹³ 78Y1536
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	• 3-year Lenovo Depot Repair 78Y1538
Modem	None	
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Security	Administrator password, hard disk password	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) announced March 27, 2013

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Part number	Processor	Memory	Widescreen display	Multi-touch	Camera	Integrated graphics	SATA disk GB ³ rpm	mSATA SSD	PCIe Mini Card 802.11	Top color	Blue-tooth	Battery	Win8 preload	Avail date (mm/yy)
59365302	i5-3337U	4GBx1	13.3" HD LED	10-Point	720p	Intel HD 4000	500GB 5400	24G	Intel 2230	Gray	BT4.0	3-cell	Win8 64	03/13
59366627	i3-3227U	4GBx1	13.3" HD LED	10-Point	720p	Intel HD 4000	500GB 5400	24G	Intel 2200	Gray		3-cell	Win8 64	03/13

- **Ultra-portable design for easy mobility; from just 18mm thick and weighing 1.8kg**
- **13.3" HD widescreen display with 10-point multi-touch, 16:9 widescreen**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (1.5 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning	<i>Ultrabook; one spindle</i>	Preloaded operating system²⁰ - Windows [®] 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee[®] Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management • Intel AppUp[®] - Windows Store apps (Metro-style) <ul style="list-style-type: none"> • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • Rara Streaming • Lenovo Companion
Processor	Intel[®] Core[™] i3-3227U processor (2 cores / 4 threads, 1.90 GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i5-3337U Processor (2 cores / 4 threads, 1.80 GHz, 3MB Cache), DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 2.70 GHz), integrated Intel HD Graphics 4000	
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
Optical drive	None	
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 7mm high, Active Protection System™	
SATA controller	Serial ATA, SATA 6.0GB/s, integrated in chipset	
mSATA™ SSD	24GB mSATA Solid State Drive (SSD)*, via PCIe Mini Card slot * For the sole purpose of supporting Intel Rapid Start Technology	
Widescreen display	13.3" (337.8mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio, frameless	
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point, One Glass Solution	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel HD Graphics 4000 in processor, external digital monitor support via HDMI connector	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	<i>3-cell: (WxDxH): 13.1" x 8.9" x 0.7"</i> ; 333mm x 225mm x 18mm	
Weight ²	<i>3-cell: starting at 3.97 lb (1.80kg)</i>	
Case color	<i>Top: Graphite Gray;</i> <i>Bottom: Graphite Gray, color matches top color</i>	
Case material	<i>Top: aluminum</i> <i>Bottom: aluminum</i>	
Battery - type	Lithium Polymer, 3-cell , 46Wh	
Battery - life ¹⁰	<i>3-cell: up to 6 hr</i>	
Chipset	Mobile Intel HM77 Express Chipset	
ExpressCard/34	None	
Multicard reader	2-in-1 reader (SD, MMC)	
Ports	Two USB 3.0, one USB 2.0, external monitor (HDMI)	
TV tuner	None	
PCIe Mini Card	Two PCI Express Mini Card slots	
WLAN ²⁸	<i>Some: 11b/g/n wireless⁴, PCIe Mini Card, Intel Centrino[®] Wireless-N 2200, 2x2</i> <i>Some: 11b/g/n wireless⁴, PCIe Half Mini Card, Intel Centrino[®] Wireless-N 2230, 2x2</i> Wi-Fi + Bluetooth combo adapter	
Bluetooth™	<i>Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter</i>	
Modem	None	
Ethernet	10/100 ethernet on planar, Realtek [®] RTL8105E	
Audio support	High Definition (HD) Audio, Conexant [®] CX20672 codec / stereo speakers (1.5 watt x 2), Dolby [®] Home Theater [®] v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Administrator password, hard disk password	
Fingerprint reader	None	
	40-watt AC adapter EPEAT™ Silver rating ENERGY STAR [®] qualified RoHS-compliant	
	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686	

See footnotes for important warranty information
US model(s) announced March 6, 2013

IdeaPad™ U310 Touch (Ultrabook™) - Windows 8 (web only models)

Personal Systems Reference (PSREF)

Part number	Processor	Memory	Widescreen display	Multi-touch	Camera	Integrated graphics	SATA disk GB ⁸ rpm	mSATA SSD	PCIe Mini Card 802.11	Top color	Blue-tooth	Battery	Win8 preload	Avail date (mm/yy)
59365018	i3-3227U	4GBx1	13.3" HD LED	10-Point	720p	Intel HD 4000	500GB 5400	24G	Intel 2230	Gray	BT4.0	3-cell	Win8 64	03/13
59365023	i5-3337U	4GBx1	13.3" HD LED	10-Point	720p	Intel HD 4000	500GB 5400	24G	Intel 2200	Gray	BT4.0	3-cell	Win8 64	03/13
59365021	i7-3537U	4GBx1	13.3" HD LED	10-Point	720p	Intel HD 4000	500GB 5400	24G	Intel 2230	Gray	BT4.0	3-cell	Win8 64	03/13

- **Ultra-portable design for easy mobility; from just 18mm thick and weighing 1.8kg**
- **13.3" HD widescreen display with 10-point multi-touch, 16:9 widescreen**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (1.5 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning	<i>Ultrabook; one spindle</i>	Preloaded operating system²⁰ - Windows [®] 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee[®] Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management • Intel AppUp[®] - Windows Store apps (Metro-style) <ul style="list-style-type: none"> • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • MaAfee • Lenovo Support • Rara Streaming • Lenovo Companion
Processor	Intel[®] Core™ i3-3227U processor (2 cores / 4 threads, 1.90 GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i5-3337U Processor (2 cores / 4 threads, 1.80 GHz, 3MB Cache), DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 2.70 GHz), integrated Intel HD Graphics 4000 Intel Core i7-3537U Processor (2 cores / 4 threads, 2.00 GHz, 4MB Cache), DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 3.10 GHz), integrated Intel HD Graphics 4000	
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
Optical drive	None	
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 7mm high, Active Protection System™	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
mSATA™ SSD	24GB mSATA Solid State Drive (SSD)*, via PCIe Mini Card slot * For the sole purpose of supporting Intel Rapid Start Technology	
Widescreen display	13.3" (337.8mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio, frameless	
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point, One Glass Solution	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel HD Graphics 4000 in processor, external digital monitor support via HDMI connector	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	<i>3-cell: (WxDxH): 13.1" x 8.9" x 0.7"; 333mm x 225mm x 18mm</i>	
Weight ²	<i>3-cell: starting at 3.97 lb (1.80kg)</i>	
Case color	<i>Top: Graphite Gray;</i> <i>Bottom: Graphite Gray, color matches top color</i>	
Case material	<i>Top: aluminum</i> <i>Bottom: aluminum</i>	
Battery - type	Lithium Polymer, 3-cell , 46Wh	
Battery - life ¹⁰	<i>3-cell: up to 6 hr</i>	
Chipset	Mobile Intel HM77 Express Chipset	
ExpressCard/34	None	
Multicard reader	2-in-1 reader (SD, MMC)	
Ports	Two USB 3.0, one USB 2.0, external monitor (HDMI)	
TV tuner	None	
PCIe Mini Card	Two PCI Express Mini Card slots	
WLAN ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino [®] Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter	
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Modem	None	
Ethernet	10/100 ethernet on planar, Realtek [®] RTL8105E	
Audio support	High Definition (HD) Audio, Conexant [®] CX20672 codec / stereo speakers (1.5 watt x 2), Dolby [®] Home Theater [®] v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Administrator password, hard disk password	
Fingerprint reader	None	
		40-watt AC adapter EPEAT™ Silver rating ENERGY STAR [®] qualified RoHS-compliant
		Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
US model(s) announced March 27, 2013

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Lenovo IdeaPad U400
(Graphite Gray)



Lenovo IdeaPad U400
(Graphite Gray)



Lenovo IdeaPad U400
(Graphite Gray)



Lenovo IdeaPad U400
(Graphite Gray)



Lenovo IdeaPad U400
(Graphite Gray)



Lenovo IdeaPad U400
(Graphite Gray)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Graphics	SATA disk GB	RPM	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date
0993-28U	i3-2330M	2.20		4GBx1	14.0" HD LED	1.3M	HD 6470M	500GB ⁸	5400	DVD±RW	Intel 1030 ²⁸	Gray	BT3.0	Prem 64	Nov 11
0993-29U	i5-2430M	2.40	3.00	4+2GB	14.0" HD LED	1.3M	HD 6470M	750GB	5400	DVD±RW	Intel 1030	Gray	BT3.0	Prem 64	Nov 11
0993-2JU	i5-2450M	2.50	3.10	4+2GB	14.0" HD LED	1.3M	HD 6470M	500GB	5400	DVD±RW	Intel 1030	Gray	BT3.0	Prem 64	Jan 12

- **Ultra-portable book-shaped design**
- **14.0" HD widescreen, glossy display with LED backlight**
- **Breathable Keyboard, an Intel Advanced Cooling Technology that allows the PC to run cooler on your lap by letting airflow through the keyboard**
- **Integrated 1.3 megapixel camera**
- **SRS Premium Surround Sound certified audio system with stereo speakers (1 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3-2330M processor (2 cores / 4 threads, 2.20GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology Intel Core i5-2430M processor (2 cores / 4 threads, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology Intel Core i5-2450M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology	Preloaded operating system²⁰ - Genuine Windows 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo® OneKey Recovery • Microsoft Security Essentials • Adobe® Reader® • Adobe Flash® Player • Windows Live™ Essentials • CyberLink YouCam • Lenovo Energy Management Software • Absolute Reminder • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerDVD (DVD±RW) • Microsoft Office 2010 preloaded; purchase product key to activate
Memory	4GB or 6GB std / 8GB max ⁷ / PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
Optical drive	DVD burner, dual-layer support, fixed, not removable, 9.5 mm high, slot-in	
SATA disk	500GB (5400 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, Active Protection System™	
Widescreen display	14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Graphics	Auto switching between discrete and integrated graphics (user selectable for applications), Intel HD Graphics 3000 in processor, and AMD Radeon™ HD 6470M, PCI Express® x16, 1GB memory, DirectX® 11, external digital monitor support via HDMI connector, HDCP-support	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad, multi-touch	
Dimensions ³	(WxDxH): 13.4" x 9.1" x 0.89"; 340mm x 230mm x 22.6mm	
Weight ²	starting at 4.36 lb (1.98 kg)	
Case color	<i>Top:</i> Graphite Gray top; <i>Bottom:</i> Graphite Gray, color matches top color	
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum	
Battery - type	Lithium Polymer, 54Wh	65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Battery - life ¹⁰	up to 7 hr	
Chipset	Mobile Intel HM65 Express Chipset	Limited Warranty¹²
ExpressCard/34	None	↔ 1-year parts and labor
Multicard reader	None	↔ Depot repair service¹⁹
Ports	Two USB 2.0, one USB 3.0, external monitor (HDMI), ethernet (RJ-45)	↔ Service upgrade options (in eligible locations):⁹
TV tuner	None	• 1-year Lenovo Onsite Repair¹³ 78Y1532
PCIe Mini Card	Two PCI Express Mini Card slots	• 1-year Onsite with accidental damage protection 78Y1533
Intel 1030 ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 1030, Wi-Fi + Bluetooth combo adapter, 1x2	• 2-year Lenovo Onsite Repair¹³ 78Y1536
Bluetooth™	Bluetooth 3.0 wireless, integrated in Intel 1030 Wi-Fi + Bluetooth combo adapter	• 3-year Lenovo Depot Repair 78Y1538
Modem	None	
Ethernet	Gigabit ethernet on planar, Intel 82579V	
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1 watt x 2), SRS® Premium Surround Sound™ certified / microphone, microphone input and headphone combo jack (3.5 mm)	↔ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Security	Supervisor password, hard disk password	
Fingerprint reader	None	

See footnotes for important warranty information

☞ US model(s) announced January 18, 2012; previous models on November 23, 2011

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Graphics	SATA disk GB	RPM	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date
0993-2AU	i3-2330M	2.20		4GBx1	14.0" HD LED	1.3M	HD 6470M	500GB ⁸	7200	DVD±RW	Intel 1030 ²⁸	Gray	BT3.0	Prem 64	Nov 11
0993-2DU	i5-2430M	2.40	3.00	4+2GB	14.0" HD LED	1.3M	HD 6470M	750GB	5400	DVD±RW	Intel 1030	Gray	BT3.0	Prem 64	Nov 11
0993-2GU	i7-2620M	2.70	3.40	4GBx2	14.0" HD LED	1.3M	HD 6470M	750GB	5400	DVD±RW	Intel 1030	Gray	BT3.0	Prem 64	Dec 11
0993-2NU	i3-2350M	2.30		4+2GB	14.0" HD LED	1.3M	HD 6470M	500GB	5400	DVD±RW	Intel 1030	Gray	BT3.0	Prem 64	Mar 12
0993-3FU	i3-2350M	2.30		4+2GB	14.0" HD LED	1.3M	HD 6470M	500GB	7200	DVD±RW	Intel 1030	Gray	BT3.0	Prem 64	Mar 12
0993-2SU	i5-2450M	2.50	3.10	4GBx2	14.0" HD LED	1.3M	HD 6470M	500GB	5400	DVD±RW	Intel 1030	Gray	BT3.0	Prem 64	Mar 12
0993-3JU	i5-2450M	2.50	3.10	4GBx2	14.0" HD LED	1.3M	HD 6470M	500GB	7200	DVD±RW	Intel 1030	Gray	BT3.0	Prem 64	Mar 12
0993-3HU	i5-2450M	2.50	3.10	4GBx2	14.0" HD LED	1.3M	HD 6470M	750GB	5400	DVD±RW	Intel 1030	Gray	BT3.0	Prem 64	Mar 12
0993-2TU	i7-2620M	2.70	3.40	4GBx2	14.0" HD LED	1.3M	HD 6470M	500GB	5400	DVD±RW	Intel 1030	Gray	BT3.0	Prem 64	Mar 12
0993-2HU	i7-2620M	2.70	3.40	4GBx2	14.0" HD LED	1.3M	HD 6470M	750GB	5400	DVD±RW	Intel 1030	Gray	BT3.0	Prem 64	May 12
0993-3LU	i7-2620M	2.70	3.40	4GBx2	14.0" HD LED	1.3M	HD 6470M	500GB	7200	DVD±RW	Intel 1030	Gray	BT3.0	Prem 64	Aug 12

- **Ultra-portable book-shaped design**
- **14.0" HD widescreen, glossy display with LED backlight**
- **Breathable Keyboard, an Intel Advanced Cooling Technology that allows the PC to run cooler on your lap by letting airflow through the keyboard**
- **Integrated 1.3 megapixel camera**
- **SRS Premium Surround Sound certified audio system with stereo speakers (1 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Core™ i3-2330M processor (2 cores / 4 threads, 2.20GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology</p> <p>Intel Core i3-2350M processor (2 cores / 4 threads, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology</p> <p>Intel Core i5-2430M processor (2 cores / 4 threads, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology</p> <p>Intel Core i5-2450M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology</p> <p>Intel Core i7-2620M processor (2 cores / 4 threads, 2.70GHz, 4MB Cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.40GHz), HT technology</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Genuine Windows 7 Home Premium 64 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • Microsoft Security Essentials • Adobe® Reader® • Adobe Flash® Player • Windows Live™ Essentials • CyberLink YouCam • Lenovo Energy Management Software • Absolute Reminder • Cyberlink Power2Go (DVD±RW) • Cyberlink Power2Go (DVD±RW) • Microsoft Office 2010 preloaded; purchase product key to activate
Memory	8GB max ⁷ / PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
Optical drive	DVD burner, dual-layer support, fixed, not removable, 9.5 mm high, slot-in	
SATA disk	500GB (5400 rpm), 500GB (7200 rpm), or 750GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, Active Protection System™	
Widescreen display	14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Graphics	Auto switching between discrete and integrated graphics (user selectable for applications), Intel HD Graphics 3000 in processor , and AMD Radeon™ HD 6470M , PCI Express® x16, 1GB memory, DirectX® 11, external digital monitor support via HDMI connector, HDCP-support	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad, multi-touch	
Dimensions ³	(WxDxH): 13.4" x 9.1" x 0.89"; 340mm x 230mm x 22.6mm	
Weight ²	starting at 4.36 lb (1.98 kg)	
Case color	<i>Top:</i> Graphite Gray top; <i>Bottom:</i> Graphite Gray, color matches top color	
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum	
Battery - type	Lithium Polymer, 54Wh	
Battery - life ¹⁰	up to 7 hr	65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Chipset	Mobile Intel HM65 Express Chipset	
ExpressCard/34	None	
Multicard reader	None	
Ports	Two USB 2.0, one USB 3.0, external monitor (HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	Two PCI Express Mini Card slots	
Intel 1030 ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 1030, Wi-Fi + Bluetooth combo adapter, 1x2	
Bluetooth™	Bluetooth 3.0 wireless, integrated in Intel 1030 Wi-Fi + Bluetooth combo adapter	
Modem	None	
Ethernet	Gigabit ethernet on planar, Intel 82579V	
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1 watt x 2), SRS® Premium Surround Sound™ certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Supervisor password, hard disk password	
Fingerprint reader	None	
		<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↔ 1-year parts and labor ↔ Depot repair service¹⁹ ↔ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↔ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information

☞ US model(s) announced August 17, 2012;

previous models on November 23 or December 21, 2011 or March 21 or May 17, 2012



Lenovo IdeaPad U410
(Graphite Gray)



Lenovo IdeaPad U410
(Graphite Gray)



Lenovo IdeaPad U410
(Ruby Red)



Lenovo IdeaPad U410



Lenovo IdeaPad U410
(Sapphire Blue)



Lenovo IdeaPad U410

IdeaPad™ U410 (4376) - web only models

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Graphics	SATA disk GB	RPM	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date (mm/yy)
4376-23U	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	500GB ⁸	7200	None	None	Intel 2200 ²⁸	Gray	None	Prem 64	07/12
4376-22U	i3-2367M	1.40		4+2GB	14.0" HD LED	720p	GF 610M 1GB	500GB	7200	None	None	Intel 2200	Gray	None	Prem 64	07/12
4376-24U	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	500GB	7200	None	None	Intel 2200	Blue	None	Prem 64	08/12
4376-26U	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	500GB	7200	None	None	Intel 2200	Red	None	Prem 64	08/12
4376-2GU	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	1TB	5400	None	None	Intel 2200	Gray	None	Prem 64	08/12
4376-2YU	i7-3517U	1.90	3.00	4GBx2	14.0" HD LED	720p	GF 610M 1GB	1TB	5400	None	None	Intel 2200	Gray	None	Prem 64	08/12

- **Ultra-portable design for easy mobility; from just 21mm thick and weighing 1.85kg**
- **14.0" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (2 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Widescreen flexibility; one-spindle</i> Intel® Core™ i3-2367M processor (2 cores / 4 threads, 1.40GHz, 3MB cache) , integrated Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz) Intel Core i5-3317U processor (2 cores / 4 threads, 1.70GHz, 3MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 2.60GHz), HT technology Intel Core i7-3517U processor (2 cores / 4 threads, 1.90GHz, 4MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.00GHz), HT technology	Preloaded operating system²⁰ - Genuine Windows 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo® OneKey Recovery • ooVoo™ • PokeTALK • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Windows Live™ Essentials • Intelligent Touchpad • CyberLink YouCam • VeriFace™ • Lenovo Energy Management Software • Absolute Reminder • Microsoft Office 2010 preloaded; purchase product key to activate
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
Optical drive	None	
SATA disk	500GB (7200 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System™	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
mSATA™ SSD	None	
Widescreen display	14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 or Intel HD Graphics 4000 , integrated in processor, and NVIDIA GeForce® 610M , PCI Express® x16, 1GB memory, DirectX® 11, external digital monitor support via HDMI connector, HDCP-support	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad, multi-touch	
Dimensions ³	(WxDxH): 13.54" x 9.25" x 0.83"; 344mm x 235mm x 21mm	
Weight ²	starting at 4.08 lb (1.85 kg)	
Case color	<i>Top:</i> Graphite Gray, Sapphire Blue or Ruby Red; <i>Bottom:</i> Graphite Gray, Sapphire Blue or Ruby Red, color matches top color	
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum	
Battery - type	Lithium Polymer, 4-cell , 59Wh	
Battery - life ¹⁰	<i>4-cell:</i> up to 9 hr	
Chipset	Mobile Intel HM77 Express Chipset	
ExpressCard/34	None	
Multicard reader	2-in-1 reader (SD, MMC)	
Ports	Two USB 3.0, two USB 2.0, external monitor (HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	Two PCI Express Mini Card slots	
WLAN ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 2200, 2x2	
Bluetooth™	None	
Modem	None	
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (2 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Supervisor password, hard disk password	
Fingerprint reader	None	
		Limited Warranty¹² ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information

☞ US model(s) announced August 17, 2012; previous model(s) on July 11, 2012

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IdeaPad™ U410 (Windows 8) - web only models

Personal Systems Reference (PSREF)

Type-model / Part number	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Graphics	SATA disk GB	RPM	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win8 preload	Avail date (mm/yy)
4376-87U	i3-3217U	1.80		4+2GB	14.0" HD LED	720p	GF 610M 1GB	500GB ⁸	5400	None	None	Intel 2230 ²⁸	Gray	BT4.0	Win8 64	11/12
4376-89U	i5-3317U	1.70	2.60	4+2GB	14.0" HD LED	720p	GF 610M 1GB	500GB	5400	None	None	Intel 2230	Gray	BT4.0	Win8 64	11/12
4376-8AU	i5-3317U	1.70	2.60	4+2GB	14.0" HD LED	720p	GF 610M 1GB	500GB	5400	None	None	Intel 2230	Blue	BT4.0	Win8 64	11/12
4376-8BU	i5-3317U	1.70	2.60	4+2GB	14.0" HD LED	720p	GF 610M 1GB	500GB	5400	None	None	Intel 2230	Red	BT4.0	Win8 64	11/12
4376-8GU	i7-3517U	1.90	3.00	4GBx2	14.0" HD LED	720p	GF 610M 1GB	1TB	5400	None	None	Intel 2230	Gray	BT4.0	Win8 64	11/12
59365166	i5-3337U	1.80	2.70	4+2GB	14.0" HD LED	720p	GF 610M 1GB	500GB	5400	None	None	Intel 2230	Gray	BT4.0	Win8 64	01/13
59365164	i5-3337U	1.80	2.70	4+2GB	14.0" HD LED	720p	GF 610M 1GB	500GB	5400	None	None	Intel 2230	Blue	BT4.0	Win8 64	01/13
59365178	i5-3337U	1.80	2.70	4+2GB	14.0" HD LED	720p	GF 610M 1GB	500GB	5400	None	None	Intel 2230	Red	BT4.0	Win8 64	01/13
59365170	i7-3537U	2.00	3.10	4GBx2	14.0" HD LED	720p	GF 610M 1GB	1TB	5400	None	None	Intel 2230	Gray	BT4.0	Win8 64	01/13
59372338	i3-3227U	1.90		4+2GB	14.0" HD LED	720p	GF 710M 2GB	500GB	5400	None	None	Intel 2230	Gray	BT4.0	Win8 64	06/13
59372346	i7-3537U	2.00	3.10	4GBx2	14.0" HD LED	720p	GF 710M 2GB	1TB	5400	None	None	Intel 2230	Gray	BT4.0	Win8 64	06/13

- **Ultra-portable design for easy mobility; from just 21mm thick and weighing 1.85kg**
- **14.0" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (2 watt x 2)**
- **HDMI port**

Positioning	<i>Widescreen flexibility; one-spindle</i>											Preloaded operating system²⁰ - Windows [®] 8 64-bit			
Processor	Intel[®] Core[™] i3-3217U processor (2 cores / 4 threads, 1.80 GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i3-3227U processor (2 cores / 4 threads, 1.90 GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i5-3317U Processor (2 cores / 4 threads, 1.70 GHz, 3MB Cache) , DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 2.60 GHz), integrated Intel HD Graphics 4000 Intel Core i5-3337U Processor (2 cores / 4 threads, 1.80 GHz, 3MB Cache) , DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 2.70 GHz), integrated Intel HD Graphics 4000 Intel Core i7-3517U processor (2 cores / 4 threads, 1.90GHz, 4MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.00GHz), integrated Intel HD Graphics 4000 Intel Core i7-3537U processor (2 cores / 4 threads, 2.00GHz, 4MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.10GHz), integrated Intel HD Graphics 4000											Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee[®] Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management • Intel AppUp[®] - Windows Store apps (Metro-style) <ul style="list-style-type: none"> • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • MaAfee • Lenovo Support • Rara Streaming • Lenovo Companion 			
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller														
Diskette drive	None														
Optical drive	None														
SATA disk	500GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System [™]														
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset														
mSATA [™] SSD	None														
Widescreen display	14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio														
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator														
Graphics	NVIDIA [®] Optimus [™] technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 , integrated in processor, and NVIDIA GeForce[®] 610M or NVIDIA GeForce 710M , PCI Express [®] x16, 1GB or 2GB memory, DirectX [®] 11, external digital monitor support via HDMI connector, HDCP-support														
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button														
Light sensor	None														
Touch pad	One-piece touch pad, multi-touch														
Dimensions ³	(WxDxH): 13.54" x 9.25" x 0.83"; 344mm x 235mm x 21mm														
Weight ²	starting at 4.08 lb (1.85 kg)														
Case color	Top: Graphite Gray, Sapphire Blue or Ruby Red; Bottom: Graphite Gray, Sapphire Blue or Ruby Red, color matches top color														
Case material	Top: aluminum Bottom: aluminum														
Battery - type	Lithium Polymer, 4-cell , 59Wh											65-watt AC adapter EPEAT [™] Silver rating ENERGY STAR [®] qualified RoHS-compliant			
Battery - life ¹⁰	4-cell: up to 9 hr														
Chipset	Mobile Intel HM77 Express Chipset											Limited Warranty¹²			
ExpressCard/34	None														
Multicard reader	2-in-1 reader (SD, MMC)											↪ 1-year parts and labor			
Ports	Two USB 3.0, two USB 2.0, external monitor (HDMI), ethernet (RJ-45)											↪ Depot repair service¹⁹			
TV tuner	None											↪ Service upgrade options (in eligible locations):⁹			
PCIe Mini Card	Two PCI Express Mini Card slots											• 1-year Lenovo Onsite Repair¹³ 78Y1532			
Intel 2230 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino [®] Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter											• 1-year Onsite with accidental damage protection 78Y1533			
Bluetooth [™]	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter											• 2-year Lenovo Onsite Repair¹³ 78Y1536			
Modem	None											• 3-year Lenovo Depot Repair 78Y1538			
Ethernet	10/100 ethernet on planar, Realtek [®] RTL8105E											↪ 24x¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686			
Audio support	High Definition (HD) Audio, Conexant [®] CX20672 codec / stereo speakers (2 watt x 2), Dolby [®] Home Theater [®] v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)														
Security	Supervisor password, hard disk password														
Fingerprint reader	None														

See footnotes for important warranty information

☞ US model(s) announced June 5, 2013; previous model(s) on November 28, 2012 or January 30, 2013

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Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Graphics	SATA disk GB	RPM	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date (mm/yy)
4376-29U	i3-3217U	1.80		4GBx1	14.0" HD LED	720p	GF 610M 1GB	500GB	5400	32GB	None	Intel 2200	Gray	None	Prem 64	08/12
4376-2CU	i5-3317U	1.70	2.60	4+2GB	14.0" HD LED	720p	GF 610M 1GB	500GB	5400	32GB	None	Intel 2200	Gray	None	Prem 64	08/12
4376-2BU	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	32GB	None	Intel 2200	Gray	None	Prem 64	08/12
4376-2PU	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	32GB	None	Intel 2200	Red	None	Prem 64	08/12
4376-2UU	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	32GB	None	Intel 2200	Blue	None	Prem 64	08/12

- **Ultra-portable design for easy mobility; from just 21mm thick and weighing 1.85kg**
- **14.0" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (2 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning	<i>Ultrabook; one-spindle</i>	Preloaded operating system²⁰ - Genuine Windows 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo® OneKey Recovery • ooVoo™ • PokeTALK • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Windows Live™ Essentials • Intelligent Touchpad • CyberLink YouCam • VeriFace™ • Lenovo Energy Management Software • Absolute Reminder • Microsoft Office 2010 preloaded; purchase product key to activate
Processor	Intel® Core™ i3-3217U processor (2 cores / 4 threads, 1.80GHz, 3MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), HT technology Intel Core i5-3317U processor (2 cores / 4 threads, 1.70GHz, 3MB cache) , integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 2.60GHz), HT technology	
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
Optical drive	None	
SATA disk	500GB (5400 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System™	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
mSATA™ SSD	32GB mSATA Solid State Drive (SSD)*, via PCIe Mini Card slot * For the sole purpose of supporting Intel Smart Response Technology	
Widescreen display	14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 , integrated in processor, and NVIDIA GeForce® 610M , PCI Express® x16, 1GB memory, DirectX® 11, external digital monitor support via HDMI connector, HDCP-support	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad, multi-touch	
Dimensions ³	(WxDxH): 13.54" x 9.25" x 0.83"; 344mm x 235mm x 21mm	
Weight ²	starting at 4.08 lb (1.85 kg)	
Case color	<i>Top:</i> Graphite Gray, Sapphire Blue or Ruby Red; <i>Bottom:</i> Graphite Gray, Sapphire Blue or Ruby Red, color matches top color	
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum	
Battery - type	Lithium Polymer, 4-cell , 59Wh	
Battery - life ¹⁰	<i>4-cell:</i> up to 9 hr	
Chipset	Mobile Intel HM77 Express Chipset	
ExpressCard/34	None	
Multicard reader	2-in-1 reader (SD, MMC)	
Ports	Two USB 3.0, two USB 2.0, external monitor (HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	Two PCI Express Mini Card slots	
WLAN ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 2200, 2x2	
Bluetooth™	None	
Modem	None	
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (2 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Supervisor password, hard disk password	
Fingerprint reader	None	
		Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
 US model(s) announced August 15, 2012

IdeaPad™ U410 (Ultrabook™) - Windows 8

Personal Systems Reference (PSREF)

Part number	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Graphics	SATA disk GB	RPM	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win8 preload	Avail date (mm/yy)
59351634	i3-3217U	1.80		4GBx1	14.0" HD LED	720p	GF 610M 1GB	500GB	5400	24GB	None	Intel 2200	Gray		Win8 64	11/12
59351625	i5-3317U	1.70	2.60	4+2GB	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	24GB	None	Intel 2200	Gray		Win8 64	11/12
59351636	i5-3317U	1.70	2.60	4+2GB	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	24GB	None	Intel 2200	Red		Win8 64	11/12
59351633	i5-3317U	1.70	2.60	4+2GB	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	24GB	None	Intel 2200	Blue		Win8 64	11/12
59351632	i5-3317U	1.70	2.60	4+2GB	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	24GB	None	Intel 2200	Gray		Win8 64	11/12
59351638	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	24GB	None	Intel 2200	Red		Win8 64	11/12
59351637	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	24GB	None	Intel 2200	Blue		Win8 64	11/12
59351635	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	24GB	None	Intel 2200	Gray		Win8 64	11/12
59351627	i7-3517U	1.90	3.00	4GBx2	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	24GB	None	Intel 2200	Gray		Win8 64	11/12
59359210	i7-3537U	2.00	3.10	4GBx2	14.0" HD LED	720p	GF 610M 1GB	1TB	5400	24GB	None	Intel 2230	Gray	BT4.0	Win8 64	02/13

- **Ultra-portable design for easy mobility; from just 21mm thick and weighing 1.85kg**
- **14.0" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (2 watt x 2)**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning	<i>Ultrabook; one-spindle</i>											Preloaded operating system²⁰ - Windows® 8 64-bit			
Processor	Intel® Core™ i3-3217U processor (2 cores / 4 threads, 1.80 GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i5-3317U Processor (2 cores / 4 threads, 1.70 GHz, 3MB Cache) , DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 2.60 GHz), integrated Intel HD Graphics 4000 Intel Core i7-3517U processor (2 cores / 4 threads, 1.90GHz, 4MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.00GHz), integrated Intel HD Graphics 4000 Intel Core i7-3537U processor (2 cores / 4 threads, 2.00GHz, 4MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.10GHz), integrated Intel HD Graphics 4000											Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • Rara Streaming • Lenovo Companion			
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller														
Diskette drive	None														
Optical drive	None														
SATA disk	500GB (5400 rpm), 750GB (5400 rpm), or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System™														
SATA controller	Serial ATA, SATA 6.0GB/s, integrated in chipset														
mSATA™ SSD	24GB mSATA Solid State Drive (SSD)*, via PCIe Mini Card slot * For the sole purpose of supporting Intel Smart Response Technology														
Widescreen display	14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio														
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator														
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 , integrated in processor, and NVIDIA GeForce® 610M , PCI Express® x16, 1GB memory, DirectX® 11, external digital monitor support via HDMI connector, HDCP-support														
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button														
Light sensor	None														
Touch pad	One-piece touch pad, multi-touch														
Dimensions ³	(WxDxH): 13.54" x 9.25" x 0.83"; 344mm x 235mm x 21mm														
Weight ²	starting at 4.08 lb (1.85 kg)														
Case color	<i>Top:</i> Graphite Gray, Sapphire Blue or Ruby Red; <i>Bottom:</i> Graphite Gray, Sapphire Blue or Ruby Red, color matches top color														
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum														
Battery - type	Lithium Polymer, 4-cell , 59Wh											65-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant			
Battery - life ¹⁰	<i>4-cell:</i> up to 9 hr														
Chipset	Mobile Intel HM77 Express Chipset											Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686			
ExpressCard/34	None														
Multicard reader	2-in-1 reader (SD, MMC)														
Ports	Two USB 3.0, two USB 2.0, external monitor (HDMI), ethernet (RJ-45)														
TV tuner	None														
PCIe Mini Card	Two PCI Express Mini Card slots														
WLAN ²⁸	<i>Some:</i> 11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 2200, 2x2 <i>Some:</i> 11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter														
Bluetooth™	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter														
Modem	None														
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E														
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (2 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)														
Security	Supervisor password, hard disk password														
Fingerprint reader	None														

See footnotes for important warranty information

☞ US model(s) announced February 21, 2013; previous model(s) on November 28, 2012

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IdeaPad™ U410 (4376) - Ultrabook™ (web only models)

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Graphics	SATA disk GB	RPM	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date (mm/yy)
4376-2FU	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	500GB	5400	32GB	None	Intel 2200	Blue	None	Prem 64	07/12
4376-2HU	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	500GB	5400	32GB	None	Intel 2200	Red	None	Prem 64	07/12
4376-2VU	i3-3217U	1.80		4+2GB	14.0" HD LED	720p	GF 610M 1GB	500GB	5400	32GB	None	Intel 2200	Gray	None	Prem 64	07/12
4376-83U	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	1TB	5400	32GB	None	Intel 2200	Gray	None	Prem 64	07/12
4376-2ZU	i7-3517U	1.90	3.00	4GBx2	14.0" HD LED	720p	GF 610M 1GB	500GB	5400	32GB	None	Intel 2200	Gray	None	Prem 64	07/12
4376-84U	i7-3517U	1.90	3.00	4GBx2	14.0" HD LED	720p	GF 610M 1GB	1TB	5400	32GB	None	Intel 2200	Gray	None	Prem 64	07/12
4376-2WU	i3-3217U	1.80		4+2GB	14.0" HD LED	720p	GF 610M 1GB	500GB	5400	32GB	None	Intel 2200	Red	None	Prem 64	08/12
4376-2JU	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	1TB	5400	32GB	None	Intel 2200	Gray	None	Prem 64	10/12

- **Ultra-portable design for easy mobility; from just 21mm thick and weighing 1.85kg**
- **14.0" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (2 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning	<i>Ultrabook; one-spindle</i>	Preloaded operating system²⁰ - Genuine Windows 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • ooVoo™ • PokeTALK • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Windows Live™ Essentials • Intelligent Touchpad • CyberLink YouCam • VeriFace™ • Lenovo Energy Management Software • Absolute Reminder • Microsoft Office 2010 preloaded; purchase product key to activate
Processor	Intel® Core™ i3-3217U processor (2 cores / 4 threads, 1.80GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i5-3317U processor (2 cores / 4 threads, 1.70GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 2.60GHz), integrated Intel HD Graphics 4000 Intel Core i7-3517U processor (2 cores / 4 threads, 1.90GHz, 4MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.00GHz), integrated Intel HD Graphics 4000,	
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
Optical drive	None	
SATA disk	500GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System™	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
mSATA™ SSD	32GB mSATA Solid State Drive (SSD)*, via PCIe Mini Card slot * For the sole purpose of supporting Intel Smart Response Technology	
Widescreen display	14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 , integrated in processor, and NVIDIA GeForce® 610M , PCI Express® x16, 1GB memory, DirectX® 11, external digital monitor support via HDMI connector, HDCP-support	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad, multi-touch	
Dimensions ³	(WxDxH): 13.54" x 9.25" x 0.83"; 344mm x 235mm x 21mm	
Weight ²	starting at 4.08 lb (1.85 kg)	
Case color	<i>Top:</i> Graphite Gray, Sapphire Blue or Ruby Red; <i>Bottom:</i> Graphite Gray, Sapphire Blue or Ruby Red, color matches top color	
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum	
Battery - type	Lithium Polymer, 4-cell , 59Wh	
Battery - life ¹⁰	<i>4-cell:</i> up to 9 hr	
Chipset	Mobile Intel HM77 Express Chipset	
ExpressCard/34	None	
Multicard reader	2-in-1 reader (SD, MMC)	
Ports	Two USB 3.0, two USB 2.0, external monitor (HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	Two PCI Express Mini Card slots	
WLAN ^{8b}	11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 2200, 2x2	
Bluetooth™	None	
Modem	None	
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (2 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Supervisor password, hard disk password	
Fingerprint reader	None	
		Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information

☞ US model(s) announced October 24, 2012; previous model(s) on July 11, July 25, or August 29, 2012

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(COTL1-2) November 2012

IdeaPad™ U410 (Ultrabook™) - Windows 8 (web only models)

Personal Systems Reference (PSREF)

Type-number / Part number	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Graphics	SATA disk GB	RPM	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win8 preload	Avail date (mm/yy)
4376-8DU	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	24GB	None	Intel 2230	Blue	BT4.0	Win8 64	11/12
4376-8EU	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	24GB	None	Intel 2230	Red	BT4.0	Win8 64	11/12
4376-8FU	i5-3317U	1.70	2.60	4GBx2	14.0" HD LED	720p	GF 610M 1GB	1TB	5400	24GB	None	Intel 2230	Gray	BT4.0	Win8 64	11/12
4376-8HU	i7-3517U	1.90	3.00	4GBx2	14.0" HD LED	720p	GF 610M 1GB	1TB	5400	32GB	None	Intel 2230	Gray	BT4.0	Win8 64	11/12
59365169	i5-3337U	1.80	2.70	4GBx2	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	24GB	None	Intel 2230	Gray	BT4.0	Win8 64	01/13
59365177	i5-3337U	1.80	2.70	4GBx2	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	24GB	None	Intel 2230	Blue	BT4.0	Win8 64	01/13
59365161	i5-3337U	1.80	2.70	4GBx2	14.0" HD LED	720p	GF 610M 1GB	750GB	5400	24GB	None	Intel 2230	Red	BT4.0	Win8 64	01/13
59365176	i5-3337U	1.80	2.70	4GBx2	14.0" HD LED	720p	GF 610M 1GB	1TB	5400	24GB	None	Intel 2230	Gray	BT4.0	Win8 64	01/13
59365180	i7-3537U	2.00	3.10	4GBx2	14.0" HD LED	720p	GF 610M 1GB	1TB	5400	24GB	None	Intel 2230	Gray	BT4.0	Win8 64	01/13
59372332	i5-3337U	1.80	2.70	4+2GB	14.0" HD LED	720p	GF 710M 2GB	1TB	5400	24GB	None	Intel 2230	Gray	BT4.0	Win8 64	06/13
59372331	i5-3337U	1.80	2.70	4+2GB	14.0" HD LED	720p	GF 710M 2GB	1TB	5400	24GB	None	Intel 2230	Blue	BT4.0	Win8 64	06/13
59372339	i5-3337U	1.80	2.70	4+2GB	14.0" HD LED	720p	GF 710M 2GB	1TB	5400	24GB	None	Intel 2230	Red	BT4.0	Win8 64	06/13
59372336	i7-3537U	2.00	3.10	4GBx2	14.0" HD LED	720p	GF 710M 2GB	1TB	5400	24GB	None	Intel 2230	Gray	BT4.0	Win8 64	06/13

- **Ultra-portable design for easy mobility; from just 21mm thick and weighing 1.85kg**
- **14.0" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (2 watt x 2)**

Positioning	<i>Ultrabook; one-spindle</i>											Preloaded operating system²⁰ - Windows® 8 64-bit			
Processor	Intel® Core™ i5-3317U processor (2 cores / 4 threads, 1.70GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 2.60GHz), integrated Intel HD Graphics 4000 Intel Core i5-3337U processor (2 cores / 4 threads, 1.80GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 2.70GHz), integrated Intel HD Graphics 4000 Intel Core i7-3517U processor (2 cores / 4 threads, 1.90GHz, 4MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.00GHz), integrated Intel HD Graphics 4000 Intel Core i7-3537U processor (2 cores / 4 threads, 2.00GHz, 4MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.10GHz), integrated Intel HD Graphics 4000											Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management • Intel AppUp® - Windows Store apps (Metro-style) <ul style="list-style-type: none"> • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • Rara Streaming • Lenovo Companion 			
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller														
Diskette drive	None														
Optical drive	None														
SATA disk	750GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System™														
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset														
mSATA™ SSD	24GB or 32GB mSATA Solid State Drive (SSD)*, via PCIe Mini Card slot * For the sole purpose of supporting Intel Smart Response Technology														
Widescreen display	14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio														
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator														
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 , integrated in processor, and NVIDIA GeForce® 610M or NVIDIA GeForce 710M , PCI Express® x16, 1GB or 2GB memory, DirectX® 11, external digital monitor support via HDMI connector, HDCP-support														
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button														
Light sensor	None														
Touch pad	One-piece touch pad, multi-touch														
Dimensions ³	(WxDxH): 13.54" x 9.25" x 0.83"; 344mm x 235mm x 21mm														
Weight ²	starting at 4.08 lb (1.85 kg)														
Case color	<i>Top:</i> Graphite Gray, Sapphire Blue or Ruby Red; <i>Bottom:</i> Graphite Gray, Sapphire Blue or Ruby Red, color matches top color														
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum														
Battery - type	Lithium Polymer, 4-cell , 59Wh											65-watt AC adapter			
Battery - life ¹⁰	<i>4-cell:</i> up to 9 hr											EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant			
Chipset	Mobile Intel HM77 Express Chipset											Limited Warranty¹²			
ExpressCard/34	None											↪ 1-year parts and labor			
Multicard reader	2-in-1 reader (SD, MMC)											↪ Depot repair service¹⁹			
Ports	Two USB 3.0, two USB 2.0, external monitor (HDMI), ethernet (RJ-45)											↪ Service upgrade options (in eligible locations):⁹			
TV tuner	None											• 1-year Lenovo Onsite Repair¹³ 78Y1532			
PCIe Mini Card	Two PCI Express Mini Card slots											• 1-year Onsite with accidental damage protection 78Y1533			
Intel 2230 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter											• 2-year Lenovo Onsite Repair¹³ 78Y1536			
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter											• 3-year Lenovo Depot Repair 78Y1538			
Modem	None											↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686			
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E														
Audio support	High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (2 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)														
Security	Supervisor password, hard disk password														
Fingerprint reader	None														

See footnotes for important warranty information

US model(s) announced June 5, 2013; previous model(s) on November 28, 2012 or January 30, 2013

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(COTL1-6) June 2013

IdeaPad™ U410 Touch (Windows 8) - web only models

Personal Systems Reference (PSREF)

Type-model / Part number	Processor	Memory	Widescreen display	Multi-touch	Camera	Graphics	SATA disk GB	RPM	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win8 preload	Avail date (mm/yy)
59372995	i5-3337U	4+2GB	14.0" HD LED	10-Point	720p	GF 710M 2GB	500GB ⁸	5400	None	None	Intel 2230 ²⁸	Gray	BT4.0	Win8 64	04/13
59372997	i5-3337U	4+2GB	14.0" HD LED	10-Point	720p	GF 710M 2GB	1TB	5400	None	None	Intel 2230	Gray	BT4.0	Win8 64	04/13
59372988	i7-3537U	4GBx2	14.0" HD LED	10-Point	720p	GF 710M 2GB	1TB	5400	None	None	Intel 2230	Gray	BT4.0	Win8 64	04/13

- **Ultra-portable design for easy mobility; from just 21mm thick and weighing 2.00kg**
- **14.0" HD widescreen with 10-point multi-touch**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (2 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning Processor	Widescreen flexibility; one-spindle Intel® Core™ i5-3337U Processor (2 cores / 4 threads, 1.80 GHz, 3MB Cache) , DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 2.70 GHz), integrated Intel HD Graphics 4000 Intel Core i7-3537U processor (2 cores / 4 threads, 2.00GHz, 4MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.10GHz), integrated Intel HD Graphics 4000	Preloaded operating system ²⁰ - Windows® 8 64-bit Preloaded applications ¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • Rara Streaming • Lenovo Companion
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
Optical drive	None	
SATA disk	500GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System™	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
mSATA™ SSD	None	
Widescreen display	14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point, One Glass Solution	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 , integrated in processor, and NVIDIA GeForce® 710M , PCI Express® x16, 2GB DDR3 memory, DirectX® 11, external digital monitor support via HDMI connector, HDCP-support	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Light sensor	None	
Touch pad	One-piece touch pad, multi-touch	
Dimensions ³	(WxDxH): 13.54" x 9.25" x 0.83"; 344mm x 235mm x 21mm	
Weight ²	starting at 4.41 lb (2.00 kg)	
Case color	<i>Top:</i> Graphite Gray; <i>Bottom:</i> Graphite Gray, color matches top color	
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum	
Battery - type	Lithium Polymer, 4-cell , 59Wh	65-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant
Battery - life ¹⁰	<i>4-cell:</i> up to 8 hr	
Chipset	Mobile Intel HM77 Express Chipset	Limited Warranty ¹²
ExpressCard/34	None	↔ 1-year parts and labor
Multicard reader	2-in-1 reader (SD, MMC)	↔ Depot repair service ¹⁹
Ports	Two USB 3.0, two USB 2.0, external monitor (HDMI), ethernet (RJ-45)	↔ Service upgrade options (in eligible locations): ⁹
TV tuner	None	• 1-year Lenovo Onsite Repair ¹³ 78Y1532
PCIe Mini Card	Two PCI Express Mini Card slots	• 1-year Onsite with accidental damage protection 78Y1533
Intel 2230 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2	• 2-year Lenovo Onsite Repair ¹³ 78Y1536
Bluetooth™	Wi-Fi + Bluetooth combo adapter	• 3-year Lenovo Depot Repair 78Y1538
Modem	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Ethernet	None	
Audio support	10/100 ethernet on planar, Realtek® RTL8105E High Definition (HD) Audio, Conexant® CX20672 codec / stereo speakers (2 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	↔ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
Security	Supervisor password, hard disk password	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) announced April 17, 2013

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(CTL1T-1) April 2013

IdeaPad™ U410 Touch (Ultrabook™) - Windows 8 (web only models)

Personal Systems Reference (PSREF)

Type-model / Part number	Processor	Memory	Widescreen display	Multi-touch	Camera	Graphics	SATA disk GB RPM	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win8 preload	Avail date (mm/yy)
59372989	i5-3337U	4GBx2	14.0" HD LED	10-Point	720p	GF 710M 2GB	500GB ⁸ 5400	24GB	None	Intel 2230 ²⁸	Gray	BT4.0	Win8 64	04/13
59372998	i5-3337U	4GBx2	14.0" HD LED	10-Point	720p	GF 710M 2GB	1TB 5400	24GB	None	Intel 2230	Gray	BT4.0	Win8 64	04/13
59372996	i7-3537U	4GBx2	14.0" HD LED	10-Point	720p	GF 710M 2GB	1TB 5400	24GB	None	Intel 2230	Gray	BT4.0	Win8 64	04/13

- **Ultra-portable design for easy mobility; from just 21mm thick and weighing 2.00kg**
- **14.0" HD widescreen with 10-point multi-touch**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (2 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning	<i>Ultrabook; one-spindle</i>										Preloaded operating system²⁰ - Windows [®] 8 64-bit			
Processor	Intel[®] Core[™] i5-3337U Processor (2 cores / 4 threads, 1.80 GHz, 3MB Cache) , DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 2.70 GHz), integrated Intel HD Graphics 4000 Intel Core i7-3537U processor (2 cores / 4 threads, 2.00GHz, 4MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.10GHz), integrated Intel HD Graphics 4000										Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee [®] Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management • Intel AppUp [®] - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • Rara Streaming • Lenovo Companion			
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller													
Diskette drive	None													
Optical drive	None													
SATA disk	500GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System [™]													
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset													
mSATA [™] SSD	24GB mSATA Solid State Drive (SSD)*, via PCIe Mini Card slot * For the sole purpose of supporting Intel Smart Response Technology													
Widescreen display	14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio													
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point, One Glass Solution													
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator													
Graphics	NVIDIA [®] Optimus [™] technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 , integrated in processor, and NVIDIA GeForce[®] 710M , PCI Express [®] x16, 2GB DDR3 memory, DirectX [®] 11, external digital monitor support via HDMI connector, HDCP-support													
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button													
Light sensor	None													
Touch pad	One-piece touch pad, multi-touch													
Dimensions ³	<i>(WxDxH)</i> : 13.54" x 9.25" x 0.83"; 344mm x 235mm x 21mm													
Weight ²	starting at 4.41 lb (2.00 kg)													
Case color	<i>Top</i> : Graphite Gray; <i>Bottom</i> : Graphite Gray, color matches top color													
Case material	<i>Top</i> : aluminum <i>Bottom</i> : aluminum										65-watt AC adapter EPEAT [™] Silver rating ENERGY STAR [®] qualified RoHS-compliant			
Battery - type	Lithium Polymer, 4-cell , 59Wh													
Battery - life ¹⁰	<i>4-cell</i> : up to 8 hr													
Chipset	Mobile Intel HM77 Express Chipset										Limited Warranty¹²			
ExpressCard/34	None										↪ 1-year parts and labor			
Multicard reader	2-in-1 reader (SD, MMC)										↪ Depot repair service¹⁹			
Ports	Two USB 3.0, two USB 2.0, external monitor (HDMI), ethernet (RJ-45)										↪ Service upgrade options (in eligible locations)⁹			
TV tuner	None										• 1-year Lenovo Onsite Repair¹³ 78Y1532			
PCIe Mini Card	Two PCI Express Mini Card slots										• 1-year Onsite with accidental damage protection 78Y1533			
Intel 2230 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino [®] Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter										• 2-year Lenovo Onsite Repair¹³ 78Y1536			
Bluetooth [™]	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter										• 3-year Lenovo Depot Repair 78Y1538			
Modem	None										↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686			
Ethernet	10/100 ethernet on planar, Realtek [®] RTL8105E													
Audio support	High Definition (HD) Audio, Conexant [®] CX20672 codec / stereo speakers (2 watt x 2), Dolby [®] Home Theater [®] v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)													
Security	Supervisor password, hard disk password													
Fingerprint reader	None													

See footnotes for important warranty information
US model(s) announced April 17, 2013

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(CTL1T-2) April 2013



Lenovo IdeaPad U510
(Graphite Gray)



Lenovo IdeaPad U510
(Graphite Gray)



Lenovo IdeaPad U510



Lenovo IdeaPad U510



Lenovo IdeaPad U510

Part number	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Graphics	SATA disk GB	RPM	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date (mm/yy)
59347424	i5-3317U	1.70	2.60	4+2GB	15.6" HD LED	720p	Intel HD 4000	750GB	5400	24GB	DVD±RW	Intel 2230	Gray	BT	Win8 64	11/12
59347428	i7-3517U	1.90	3.00	4GBx2	15.6" HD LED	720p	Intel HD 4000	750GB	5400	24GB	DVD±RW	Intel 2230	Gray	BT	Win8 64	11/12
59347426	i3-3217U	1.80		2GBx2	15.6" HD LED	720p	Intel HD 4000	500GB	5400	24GB	DVD±RW	Intel 2230	Gray	BT	Win8 64	11/12
59355296	i5-3317U	1.70	2.60	4+2GB	15.6" HD LED	720p	Intel HD 4000	750GB	5400	24GB	DVD±RW	Intel 2230	Gray	BT	Win8 64	11/12
59347423	i5-3317U	1.70	2.60	4GBx2	15.6" HD LED	720p	Intel HD 4000	750GB	5400	24GB	DVD±RW	Intel 2230	Gray	BT	Win8 64	11/12
59347624	i5-3317U	1.70	2.60	4+2GB	15.6" HD LED	720p	Intel HD 4000	1TB	5400	24GB	DVD±RW	Intel 2230	Gray	BT	Win8 64	11/12
59340257	i7-3517U	1.90	3.00	4GBx2	15.6" HD LED	720p	Intel HD 4000	1TB	5400	32GB	DVD±RW	Intel 2230	Gray	BT	Win8 64	11/12
59359624	i5-3337U	1.80	2.70	4+2GB	15.6" HD LED	720p	Intel HD 4000	1TB	5400	24GB	DVD±RW	Intel 2230	Gray	BT	Win8 64	02/13

- **Ultra-portable design for easy mobility; from just 21mm thick and weighing 2.20kg**
- **15.6" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (2 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning	<i>Ultrabook; two-spindle</i>	Preloaded operating system²⁰ - Windows [®] 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee[®] Internet Security (30-Day Trial) • Nitro PDF • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management Software - Windows Store apps (Metro-style) <ul style="list-style-type: none"> • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • Rara Streaming • Lenovo Companion
Processor	Intel[®] Core™ i3-3217U processor (2 cores / 4 threads, 1.80 GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i5-3317U Processor (2 cores / 4 threads, 1.70 GHz, 3MB Cache), DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 2.60 GHz), integrated Intel HD Graphics 4000 Intel Core i5-3337U Processor (2 cores / 4 threads, 1.80 GHz, 3MB Cache), DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 2.70 GHz), integrated Intel HD Graphics 4000 Intel Core i7-3517U processor (2 cores / 4 threads, 1.90GHz, 4MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.00GHz), integrated Intel HD Graphics 4000	
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
Optical drive	DVD burner, dual-layer support, fixed, not removable, 9.5 mm high, tray-in	
SATA disk	500GB (5400 rpm), 750GB (5400 rpm), or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System™	
SATA controller	Serial ATA, SATA 6.0GB/s, integrated in chipset	
mSATA™ SSD	24GB or 32GB mSATA Solid State Drive (SSD)*, via PCIe Mini Card slot * For the sole purpose of supporting Intel Smart Response Technology	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics 4000 in processor, External monitor support via analog Mini VGA connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, with LED backlight, recovery button	
Numeric keypad	Numeric keypad on right of keyboard	
Light sensor	None	
Touch pad	One-piece touch pad, multi-touch	
Dimensions ³	(WxDxH): 15.04" x 9.84" x 0.83"; 382mm x 250mm x 21mm	
Weight ²	starting at 4.85 lb (2.20 kg)	
Case color	<i>Top:</i> Graphite Gray <i>Bottom:</i> Graphite Gray	
Case material	<i>Top:</i> aluminum <i>Bottom:</i> aluminum	
Battery - type	Lithium Polymer, 45Wh	
Battery - life ¹⁰	up to 6 hr	
Chipset	Mobile Intel HM77 Express Chipset	
ExpressCard/34	None	
Multicard reader	2-in-1 reader (SD, MMC)	
Ports	One USB 3.0 (powered), two USB 2.0, external monitor (Mini VGA, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	Two PCI Express Mini Card slots	
WLAN ²⁸	11b/g/n, PCIe Half Mini Card, Intel Centrino [®] Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter	
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card	
Modem	None	
Ethernet	10/100 ethernet on planar, Realtek [®] RTL8105E	
Audio support	High Definition (HD) Audio, RealTek [®] ALC259 codec / stereo speakers (2 watt x 2), Dolby [®] Home Theater [®] v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	
Security	Supervisor password, hard disk password	
Fingerprint reader	None	
		65-watt AC adapter EPEAT™ Silver rating ENERGY STAR [®] qualified RoHS-compliant Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information

☞ US model(s) announced February 21, 2013; previous model(s) on November 8 or November 28, 2012

IdeaPad™ U510 (Windows 8) - web only models

Personal Systems Reference (PSREF)

Type-model / part number	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Graphics	SATA disk GB	RPM	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date (mm/yy)
4941-2LU	i7-3517U	1.90	3.00	4GBx2	15.6" HD LED	720p	GF 625M 1GB	1TB	5400	None	DVD±RW	Intel 2230	Gray	BT	Win8 64	12/12
59384265	i5-3337U	1.80	2.70	4+2GB	15.6" HD LED	720p	Intel HD 4000	500G	5400	None		Intel 2230	Gray	BT	Win8 64	06/13
59384267	i7-3537U	2.00	3.10	4+2GB	15.6" HD LED	720p	Intel HD 4000	500G	5400	None		Intel 2230	Gray	BT	Win8 64	06/13

- **Ultra-portable design for easy mobility; from just 21mm thick and weighing 2.20kg**
- **15.6" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (2 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Core™ i5-3337U processor (2 cores / 4 threads, 1.80GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 2.70GHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i7-3517U processor (2 cores / 4 threads, 1.90GHz, 4MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.00GHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i7-3537U processor (2 cores / 4 threads, 2.00GHz, 4MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.10GHz), integrated Intel HD Graphics 4000</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Windows® 8 64-bit <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro PDF • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management Software - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • Rara Streaming • Lenovo Companion
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
Optical drive	Some: DVD burner, dual-layer support, fixed, not removable, 9.5 mm high, tray-in	
SATA disk	1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System™	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
mSATA™ SSD	None	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	<p>Some: Intel HD Graphics 4000, integrated in processor;</p> <p>Some: NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000, integrated in processor, and NVIDIA GeForce® 625M, PCI Express® x16, 1GB memory, DirectX® 11, External monitor support via analog Mini VGA connector / digital HDMI connector</p>	
Keyboard	Full-size keyboard, 6-row, with LED backlight, recovery button	
Numeric keypad	Numeric keypad on right of keyboard	
Light sensor	None	
Touch pad	One-piece touch pad, multi-touch	
Dimensions ³	(WxDxH): 15.04" x 9.84" x 0.83"; 382mm x 250mm x 21mm	
Weight ²	starting at 4.85 lb (2.20 kg)	
Case color	<p>Top: Graphite Gray</p> <p>Bottom: Graphite Gray</p>	
Case material	<p>Top: aluminum</p> <p>Bottom: aluminum</p>	
Battery - type	Lithium Polymer, 45Wh	
Battery - life ¹⁰	up to 6 hr	65-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant
Chipset	Mobile Intel HM77 Express Chipset	Limited Warranty¹²
ExpressCard/34	None	↪ 1-year parts and labor
Multicard reader	2-in-1 reader (SD, MMC)	↪ Depot repair service¹⁹
Ports	One USB 3.0 (powered), two USB 2.0, external monitor (Mini VGA, HDMI), ethernet (RJ-45)	↪ Service upgrade options (in eligible locations):⁹
TV tuner	None	• 1-year Lenovo Onsite Repair¹³ 78Y1532
PCIe Mini Card	Two PCI Express Mini Card slots	• 1-year Onsite with accidental damage protection 78Y1533
WLAN ²⁸	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter	• 2-year Lenovo Onsite Repair¹³ 78Y1536
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card	• 3-year Lenovo Depot Repair 78Y1538
Modem	None	
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC259 codec / stereo speakers (2 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)	↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Security	Supervisor password, hard disk password	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) announced June 5, 2013; previous model(s) on December 13, 2012

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IdeaPad™ U510 (Ultrabook™) - Windows 8 (web only models)

Personal Systems Reference (PSREF)

Type-model / Part number	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera	Graphics	SATA disk GB	RPM	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date (mm/yy)
4941-2MU	i7-3517U	1.90	3.00	4GBx2	15.6" HD LED	720p	GF 625M 1GB 1TB	5400	32GB	DVD±RW	Intel 2230	Gray	BT	Win8 64	10/12	
4941-2NU	i7-3517U	1.90	3.00	4GBx2	15.6" HD LED	720p	GF 625M 1GB 500GB	5400	24GB	DVD±RW	Intel 2230	Gray	BT	Win8 64	10/12	
4941-2PU	i7-3517U	1.90	3.00	4GBx2	15.6" HD LED	720p	GF 625M 1GB 1TB	5400	24GB	DVD±RW	Intel 2230	Gray	BT	Win8 64	10/12	
59365182	i7-3537U	2.00	3.10	4GBx2	15.6" HD LED	720p	GF 625M 1GB 500GB	5400	24GB	DVD±RW	Intel 2230	Gray	BT	Win8 64	01/13	
59365181	i7-3537U	2.00	3.10	4GBx2	15.6" HD LED	720p	GF 625M 1GB 1TB	5400	24GB	DVD±RW	Intel 2230	Gray	BT	Win8 64	01/13	
59365437	i5-3337U	1.80	2.70	4GBx2	15.6" HD LED	720p	GF 625M 1GB 1TB	5400	32GB	DVD±RW	Intel 2230	Gray	BT	Win8 64	06/13	

- **Ultra-portable design for easy mobility; from just 21mm thick and weighing 2.20kg**
- **15.6" HD widescreen, glossy display with LED backlight**
- **Integrated 720p HD camera**
- **Dolby Home Theater v4 certified audio system with stereo speakers (2 watt x 2)**
- **HDMI port**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning	<i>Ultrabook; two-spindle</i>											Preloaded operating system²⁰ - Windows® 8 64-bit				
Processor	Intel® Core™ i5-3337U processor (2 cores / 4 threads, 1.80GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 2.70GHz), integrated Intel HD Graphics 4000 Intel Core i7-3517U processor (2 cores / 4 threads, 1.90GHz, 4MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.00GHz), integrated Intel HD Graphics 4000 Intel Core i7-3537U processor (2 cores / 4 threads, 2.00GHz, 4MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.10GHz), integrated Intel HD Graphics 4000											Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro PDF • Microsoft Office preloaded; purchase product key to activate • Lenovo Energy Management Software - Windows Store apps (Metro-style) <ul style="list-style-type: none"> • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • Rara Streaming • Lenovo Companion 				
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets															
Diskette drive	None															
Optical drive	DVD burner, dual-layer support, fixed, not removable, 9.5 mm high, tray-in															
SATA disk	500GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System™															
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset															
mSATA™ SSD	24GB or 32GB mSATA Solid State Drive (SSD)*, via PCIe Mini Card slot * For the sole purpose of supporting Intel Smart Response Technology															
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy), LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio															
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator															
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 , integrated in processor, and NVIDIA GeForce® 625M , PCI Express® x16, 1GB memory, DirectX® 11, External monitor support via analog Mini VGA connector / digital HDMI connector															
Keyboard	Full-size keyboard, 6-row, with LED backlight, recovery button															
Numeric keypad	Numeric keypad on right of keyboard															
Light sensor	None															
Touch pad	One-piece touch pad, multi-touch															
Dimensions ³	<i>(WxDxH)</i> : 15.04" x 9.84" x 0.83"; 382mm x 250mm x 21mm															
Weight ²	starting at 4.85 lb (2.20 kg)															
Case color	<i>Top</i> : Graphite Gray <i>Bottom</i> : Graphite Gray															
Case material	<i>Top</i> : aluminum <i>Bottom</i> : aluminum															
Battery - type	Lithium Polymer, 45Wh											65-watt AC adapter EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant				
Battery - life ¹⁰	up to 6 hr															
Chipset	Mobile Intel HM77 Express Chipset											Limited Warranty¹²				
ExpressCard/34	None											⇨ 1-year parts and labor				
Multicard reader	2-in-1 reader (SD, MMC)											⇨ Depot repair service¹⁹				
Ports	One USB 3.0 (powered), two USB 2.0, external monitor (Mini VGA, HDMI), ethernet (RJ-45)											⇨ Service upgrade options (in eligible locations):⁹				
TV tuner	None											• 1-year Lenovo Onsite Repair¹³ 78Y1532				
PCIe Mini Card	Two PCI Express Mini Card slots											• 1-year Onsite with accidental damage protection 78Y1533				
WLAN ²⁸	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter											• 2-year Lenovo Onsite Repair¹³ 78Y1536				
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card											• 3-year Lenovo Depot Repair 78Y1538				
Modem	None											⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686				
Ethernet	10/100 ethernet on planar, Realtek® RTL8105E															
Audio support	High Definition (HD) Audio, RealTek® ALC259 codec / stereo speakers (2 watt x 2), Dolby® Home Theater® v4 certified / microphone, microphone input and headphone combo jack (3.5 mm)															
Security	Supervisor password, hard disk password															
Fingerprint reader	None															

See footnotes for important warranty information

☞ US model(s) announced June 5, 2013; previous model(s) on November 8, 2012 or January 30, 2013

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(CMP11-2) June 2013



Lenovo IdeaPad Y470



Lenovo IdeaPad Y470



Lenovo IdeaPad Y470



Lenovo IdeaPad Y470



Lenovo IdeaPad Y470



Lenovo IdeaPad Y470

Type-model	Processor	Max turbo GHz	Memory	Widescreen or display	CCFL or LED	Discrete graphics	SATA disk GB ³	rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	USB3.0 Con- nector	Win7 preload	Avail date
0855-22U	i3-2310M	2.10	2GBx2	14.0" HD	LED	GT 550M	500GB	7200	DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Prem 64	May 11
0855-23U	i5-2410M	2.30	2.90 2GBx2	14.0" HD	LED	GT 550M	500GB	7200	DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Prem 64	May 11
0855-24U	i5-2410M	2.30	2.90 2GBx2	14.0" HD	LED	GT 550M	750GB	5400	Blu-ray	Intel 1000	Black	BT2.1	USB3.0	Prem 64	May 11
0855-25U	i7-2630QM	2.00	2.90 4GBx2	14.0" HD	LED	GT 550M	500GB	7200	DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Prem 64	May 11
0855-26U	i7-2630QM	2.00	2.90 4GBx2	14.0" HD	LED	GT 550M	750GB	5400	Blu-ray	Intel 1000	Black	BT2.1	USB3.0	Prem 64	May 11
0855-28U	i3-2330M	2.20	4GBx1	14.0" HD	LED	GT 550M	500GB	5400	DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Prem 64	Nov 11
0855-2EU	i7-2670QM	2.20	3.10 4GBx2	14.0" HD	LED	GT 550M	750GB	5400	DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Prem 64	Nov 11
0855-2DU	i7-2670QM	2.20	3.10 4GBx2	14.0" HD	LED	GT 550M	750GB	5400	Blu-ray	Intel 1000	Black	BT2.1	USB3.0	Prem 64	Nov 11
0855-2GU	i5-2430M	2.40	3.00 4GBx1	14.0" HD	LED	GT 550M	750GB	5400	DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Pro 64	Dec 11
0855-2HU	i7-2670QM	2.20	3.10 4GBx2	14.0" HD	LED	GT 550M	500GB	7200	DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Prem 64	Dec 11
☞ 0855-2JU	i7-2670QM	2.20	3.10 4GBx2	14.0" HD	LED	GT 550M	500GB	7200	Blu-ray	Intel 1000	Black	BT2.1	USB3.0	Prem 64	Feb 12

- 14.0" widescreen, glossy display with LED backlight
- Integrated 2.0 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- SRS Premium Sound audio system with two JBL® stereo speakers
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	<p>Widescreen flexibility; two-spindle</p> <p>Intel® Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology</p> <p>Intel Core i3-2330M processor (dual-core, 2.20GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology</p> <p>Intel Core i5-2410M processor (dual-core, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology</p> <p>Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology</p> <p>Intel Core i7-2630QM processor (quad-core, 2.00 GHz, 6MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology</p> <p>Intel Core i7-2670QM processor (quad-core, 2.20 GHz, 6MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Some: Genuine Windows® 7 Home Premium 64 - Some: Genuine Windows 7 Professional 64 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink PowerDVD (DVD±RW, Blu-ray) • Cyberlink Power2Go (DVD±RW, Blu-ray) • Lenovo DirectShare
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
SATA optical	Some: DVD burner, dual-layer support, 12.7mm high, tray-in Some: Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in	
SATA disk	500GB (5400 rpm), 500GB (7200 rpm), or 750GB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high	
mSATA™ SSD	None	
Widescreen display	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, LED indicator	
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 in processor, and NVIDIA GeForce® GT 550M , PCI Express® x16, 1GB DDR3 memory, DirectX® 11, NVIDIA CUDA™ technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, recovery key	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	Two-button touch pad with scroll feature, multi-touch	
Dimensions ³	(WxDxH): 13.6" x 9.4" x 0.8" to 1.3"; 345mm x 239mm x 20mm to 32.8mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 4.85 lb (2.2 kg)	
Case color	Dusk black top with texture, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 4.0 hr	
Chipset	Mobile Intel HM65 Express Chipset	
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	<i>Left side:</i> two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) <i>Right side:</i> one USB 2.0 port and one eSATA/USB combo port	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000	
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface	
Modem	None	
Ethernet	Gigabit ethernet, Broadcom® BCM57780/BCM57781, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / JBL® stereo speakers (1.5 watt x 2), SRS® Premium Sound™ / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	

Dual-core models: 90-watt AC adapter
Quad-core models: 120-watt AC adapter
Wireless on/off switch
Graphic Optimus/Integrated switch
EPEAT™ Gold rating
ENERGY STAR® qualified
RoHS-compliant

Limited Warranty¹²

- ☞ **1-year parts and labor**
- ☞ **Depot repair service**¹⁹
- ☞ **Service upgrade options (in eligible locations):**⁹
 - **1-year Lenovo Onsite Repair**¹³ 78Y1532
 - **1-year Onsite with accidental damage protection** 78Y1533
 - **2-year Lenovo Onsite Repair**¹³ 78Y1536
 - **3-year Lenovo Depot Repair** 78Y1538
- ☞ **24x7¹⁶ toll-free support for warranty issues during the warranty period**¹² via 877-453-6686

See footnotes for important warranty information

☞ US model(s) announced February 29, 2012; previous models on May 18, November 23, or December 21, 2011

IdeaPad™ Y470p (0855) - AMD Radeon - web only models

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	Max turbo GHz	Memory	Widescreen or display	CCFL or LED	Discrete graphics	SATA disk GB ³	rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	USB3.0 Con-nectors	Win7 preload	Avail date	
0855-2NU	i5-2450M	2.50	3.10	4+2GB	14.0" HD	LED	HD 7690M	500GB	5400	DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Prem 64	Feb 12
0855-2LU	i7-2670QM	2.20	3.10	4GBx2	14.0" HD	LED	HD 7690M	750GB	5400	DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Prem 64	Feb 12
☞ 0855-2KU	i7-2670QM	2.20	3.10	4GBx2	14.0" HD	LED	HD 7690M	500GB	7200	DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Prem 64	Mar 12

- **14.0" widescreen, glossy display with LED backlight**
- **Integrated 2.0 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **SRS Premium Sound audio system with two JBL® stereo speakers**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i5-2450M processor (dual-core, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i7-2670QM processor (quad-core, 2.20 GHz, 6MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed)
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	<ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink PowerDVD (DVD±RW, Blu-ray) • Cyberlink Power2Go (DVD±RW, Blu-ray) • Lenovo DirectShare
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in	Dual-core models: 90-watt AC adapter Quad-core models: 120-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant
SATA disk	500GB (5400 rpm), 500GB (7200 rpm), or 750GB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high	
mSATA™ SSD	None	
Widescreen display	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, LED indicator	Limited Warranty¹² ☞ 1-year parts and labor ☞ Depot repair service¹⁹ ☞ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ☞ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Graphics	Dynamic switching between discrete and integrated graphics, Intel HD Graphics 3000 in processor, and AMD Radeon™ HD 7690M Graphics , PCI Express® x16, 1GB DDR3 memory, DirectX® 11, External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, recovery key	☞ 1-year parts and labor ☞ Depot repair service¹⁹ ☞ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ☞ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	Two-button touch pad with scroll feature, multi-touch	
Dimensions ³	(WxDxH): 13.6" x 9.4" x 0.8" to 1.3"; 345mm x 239mm x 20mm to 32.8mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 4.85 lb (2.2 kg)	
Case color	Dusk black top with texture, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 4.0 hr	
Chipset	Mobile Intel HM65 Express Chipset	☞ 1-year parts and labor ☞ Depot repair service¹⁹ ☞ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ☞ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	<i>Left side:</i> two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) <i>Right side:</i> one USB 2.0 port and one eSATA/USB combo port	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000	
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface	
Modem	None	
Ethernet	Gigabit ethernet, Broadcom® BCM57780/BCM57781, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / JBL® stereo speakers (1.5 watt x 2), SRS® Premium Sound™ / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information

☞ US model(s) announced March 21, 2012; previous models on February 29, 2012

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Lenovo IdeaPad Y480



Lenovo IdeaPad Y480



Lenovo IdeaPad Y480
with 3 USB 3.0 and 1 USB 2.0



Lenovo IdeaPad Y480
Dark Gray with brushed metal



Lenovo IdeaPad Y480



Lenovo IdeaPad Y480
Dark Gray with pattern

IdeaPad™ Y480 (2093) - NVIDIA

Type-model	Processor	Memory	Graphics	SATA disk GB ^a	mSATA SSD rpm	SATA optical	PCIe Mini Card 802.11	Top color (dark gray)	Blue-tooth	USB ports / USB Battery (6-cell)	Backlit key-board	Win7 preload	Avail date (mm/yy)	
2093-4FU	i7-3610QM	4GBx2	GT 640M LE 1G	750G	5400	None	DVD±RW	Intel 2200	Brushed Metal	BT4.0	x2 / x2	48Wh	Backlit Prem 64	04/12
2093-4EU	i5-3210M	4+2GB	GT 640M LE 1G	750G	5400	None	DVD±RW	Intel 2200	Brushed Metal	BT4.0	x2 / x2	48Wh	Backlit Prem 64	07/12

- **14.0" widescreen, glossy display with LED backlight**
- **Integrated HD720p camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Intelligent Touchpad – large touchpad with easy scroll, zoom, and rotate functions**
- **Dolby Home Theater v4 audio enhancement and JBL® designed speakers**
- **OneKey™ Theater II – one-touch audio-visual optimization for clearer, brighter images and richer audio**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i5-3210M processor (2 cores / 4 threads, 2.50 GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.10GHz), integrated Intel HD Graphics 4000 Intel Core i7-3610QM processor (4 cores / 8 threads, 2.30 GHz, 6MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.30GHz), integrated Intel HD Graphics 4000	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • Intelligent Touchpad • OneKey Theater • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW)
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
SATA optical SATA disk SATA controller mSATA™ SSD	DVD burner, dual-layer support, 12.7mm high, tray-in 750GB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high Serial ATA, SATA 6.0Gb/s, integrated in chipset None	
Widescreen display Camera	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, and NVIDIA GeForce® GT 640M LE Graphics , PCI Express® x16, 1GB or 2GB GDDR5 memory, DirectX® 11, external monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard Controls Light sensor Touchpad	Full-size keyboard, 6-row, with LED backlight on selected models Buttons for power on/off, OneKey recovery, OneKey Theater, and mute None One-piece touchpad, multi-touch	
Dimensions ³ Weight ² Case color Case material	(<i>WxDxH</i>): 13.6" x 9.4" x 0.8" to 1.3"; 345mm x 239mm x 20mm to 32.8mm with optical drive and battery: <i>6-cell</i> : 4.85 lb (2.2 kg) <i>Top</i> : dark gray with brushed metal or dark gray with pattern, <i>Bottom</i> : black <i>Top and palmrest</i> : Aluminium <i>Bottom</i> : Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type Battery - life ¹⁰	Lithium Ion 6-cell , 48Wh or 62Wh Up to 4.0 hr	Dual-core models: 90-watt AC adapter Quad-core models: 120-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant
Chipset ExpressCard/34 Multicard reader	Mobile Intel HM76 Express Chipset None 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	Limited Warranty¹² ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Ports	<i>Left side</i> : two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) <i>Right side</i> : one USB 2.0 port, one USB 2.0 or USB 3.0 port (depending on model)	
TV tuner PCIe Mini Card Intel 1000 Bluetooth™ Modem Ethernet Audio support	None Two PCIe Mini Card slots 11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2x2 Bluetooth 4.0 wireless None Gigabit ethernet, Atheros® AR8151B/AR8161A, PCIe x1 High Definition (HD) Audio, RealTek® ALC269 codec / JBL® designed stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security Fingerprint reader	Hard disk password, administrator password, security lockhole None	

See footnotes for important warranty information

US model(s) announced July 11, 2012; previous model(s) on June 21, 2012

IdeaPad™ Y480 (2093) - NVIDIA (web only models)

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Graphics	SATA disk GB ^a	rpm	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color (dark gray)	Blue-tooth	USB ports USB / USB Battery (6-cell)	Backlit key-board	Win7 preload	Avail date (mm/yy)
2093-4SU	i3-2370M	4GBx1	GT 640M LE 1G	500G	7200		DVD±RW	Intel 2200	Brushed Metal	BT	x3 / x1	48Wh	Backlit	Prem 64 04/12
2093-4QU	i3-2370M	4GBx1	GT 640M LE 1G	500G	5400		DVD±RW	Intel 2200	Brushed Metal	BT	x3 / x1	48Wh	Backlit	Prem 64 05/12
2093-4YU	i7-3610QM	4GBx2	GT 640M LE 2G	500G	5400		DVD±RW	Intel 2200	Brushed Metal	BT	x3 / x1	48Wh	Backlit	Prem 64 05/12
2093-88U	i7-3610QM	4GBx2	GT 640M LE 2G	1TB	5400		DVD±RW	Intel 2200	Brushed Metal	BT	x3 / x1	62Wh	Backlit	Prem 64 05/12
2093-86U	i7-3610QM	4GBx2	GT 640M LE 2G	1TB	5400	32G	DVD±RW	Intel 2200	Brushed Metal	BT	x3 / x1	62Wh	Backlit	Prem 64 05/12
2093-4WU	i7-3610QM	4GBx2	GT 640M LE 2G	500G	7200		DVD±RW	Intel 2200	Brushed Metal	BT	x3 / x1	48Wh	Backlit	Prem 64 05/12
2093-84U	i7-3610QM	4GBx2	GT 640M LE 2G	750G	5400		DVD±RW	Intel 2200	Brushed Metal	BT	x3 / x1	48Wh	Backlit	Prem 64 05/12
2093-4ZU	i7-3610QM	4GBx2	GT 640M LE 2G	1TB	5400		BD burner	Intel 2200	Brushed Metal	BT	x3 / x1	48Wh	Backlit	Prem 64 05/12
2093-87U	i7-3610QM	4GBx2	GT 640M LE 2G	1TB	5400	32G	BD burner	Intel 2200	Brushed Metal	BT	x3 / x1	62Wh	Backlit	Prem 64 05/12
2093-4XU	i7-3610QM	4GBx2	GT 640M LE 2G	500G	7200		BD burner	Intel 2200	Brushed Metal	BT	x3 / x1	48Wh	Backlit	Prem 64 07/12
2093-83U	i7-3610QM	4GBx2	GT 640M LE 2G	750G	5400	32G	BD burner	Intel 2200	Brushed Metal	BT	x3 / x1	48Wh	Backlit	Prem 64 08/12
2093-8RU	i7-3630QM	4GBx2	GT 650M 2G	1TB	5400		DVD±RW	Intel 2200	Brushed Metal	BT	x3 / x1	62Wh	Backlit	Prem 64 10/12
2093-8TU	i7-3630QM	4GBx2	GT 650M 2G	1TB	5400	32G	BD burner	Intel 2200	Brushed Metal	BT	x3 / x1	62Wh	Backlit	Prem 64 10/12

- **14.0" widescreen, glossy display with LED backlight**
- **Integrated HD720p camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Intelligent Touchpad – large touchpad with easy scroll, zoom, and rotate functions**
- **Dolby Home Theater v4 audio enhancement and JBL® designed speakers**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Core™ i3-2370M processor (2 cores / 4 threads, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), integrated Intel HD Graphics 3000</p> <p>Intel Core i7-3610QM processor (4 cores / 8 threads, 2.30GHz, 6MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.30GHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i7-3630QM processor (4 cores / 8 threads, 2.40GHz, 6MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.40GHz), integrated Intel HD Graphics 4000</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Genuine Windows® 7 Home Premium 64 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • Intelligent Touchpad • OneKey Theater • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink PowerDVD (Blu-ray models) • Cyberlink Power2Go (DVD±RW models, Blu-ray models)
Memory	<p>8GB max⁷; PC3-12800 1600MHz DDR3*, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets</p> <p>* System automatically clocks down for processors with 1333MHz DDR3 memory controller</p>	
SATA optical	<p><i>Some:</i> DVD burner, dual-layer support, 12.7mm high, tray-in</p> <p><i>Some:</i> Blu-ray™ burner, Blu-ray and DVD disk recordable, 12.7mm, tray-in</p>	
SATA disk	<p>500GB (5400 rpm), 500GB (7200 rpm), 750GB (5400 rpm), or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high</p>	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
mSATA™ SSD	<i>Some:</i> 32GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	
Widescreen display	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	<p>NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, and</p> <p><i>Some:</i> NVIDIA GeForce® GT 640M LE Graphics, PCI Express® x16, 1GB or 2GB GDDR5, <i>Some:</i> NVIDIA GeForce GT 650M Graphics, PCI Express x16, 2GB GDDR5 memory, external monitor support via analog VGA DB-15 connector / digital HDMI connector</p>	
Keyboard	Full-size keyboard, 6-row, with LED backlight on selected models	
Controls	Buttons for power on/off, OneKey recovery, OneKey Theater, and mute	
Light sensor	None	
Touchpad	One-piece touchpad, multi-touch	
Dimensions ³	(WxDxH): 13.6" x 9.4" x 0.8" to 1.3"; 345mm x 239mm x 20mm to 32.8mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 4.85 lb (2.2 kg)	
Case color	<i>Top:</i> dark gray with brushed metal or dark gray with pattern, <i>Bottom:</i> black	
Case material	<i>Top and palmrest:</i> Aluminium <i>Bottom:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell , 48Wh or 62Wh	
Battery - life ¹⁰	Up to 4.0 hr	
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	<p><i>Left side:</i> two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)</p> <p><i>Right side:</i> one USB 2.0 port, one USB 2.0 or USB 3.0 port (depending on model)</p>	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
Intel 2200	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2x2	
Bluetooth™	Bluetooth wireless	
Modem	None	
Ethernet	Gigabit ethernet, Atheros® AR8151B/AR8161A, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / JBL® designed stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	

Dual-core models: 90-watt AC adapter
Quad-core models: 120-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® qualified
RoHS-compliant

Limited Warranty¹²

- ↔ **1-year parts and labor**
- ↔ **Depot repair service¹⁹**
- ↔ **Service upgrade options** (in eligible locations):⁹
 - **1-year Lenovo Onsite Repair¹³** 78Y1532
 - **1-year Onsite with accidental damage protection** 78Y1533
 - **2-year Lenovo Onsite Repair¹³** 78Y1536
 - **3-year Lenovo Depot Repair** 78Y1538
- ↔ **24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686**

See footnotes for important warranty information

US model(s) announced October 24, 2012; previous model(s) on April 11, May 3, May 17, July 11, or August 17, 2012

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(WHSK3-2) October 2012

IdeaPad™ Y480 (NVIDIA) - Windows 8 (web only models)

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Graphics	SATA disk GB ² rpm	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color (dark gray)	Blue- tooth	USB ports USB / USB 3.0 / 2.0	Battery (6-cell)	Backlit key- board	Win8 preload	Avail date (mm/yy)
2093-B3U	i5-3210M	4GBx2	GT 650M 2G	750G 7200	None	DVD±RW	Intel 2200	with pattern	BT4.0	x3 / x1	62Wh	Backlit	Win8 64	01/13

- **14.0" widescreen, glossy display with LED backlight**
- **Integrated HD720p camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby Home Theater v4 audio enhancement and JBL® designed speakers**
- **OneKey™ Theater II – one-touch audio-visual optimization for clearer, brighter images and richer audio**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i5-3210M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.10GHz), integrated Intel HD Graphics 4000	Preloaded operating system²⁰ - Windows® 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo OneKey Theater • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp® - Windows Store apps <ul style="list-style-type: none"> • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in	
SATA disk	750GB (7200 rpm) hybrid hard disk / with 8GB SLC NAND flash memory, SATA 6.0Gb/s, 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
mSATA™ SSD	None	
Widescreen display	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, and NVIDIA GeForce GT 650M Graphics , PCI Express x16, 2GB GDDR5 memory, external monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard Controls	Full-size keyboard, 6-row, with LED backlight on selected models Buttons for power on/off, OneKey recovery, OneKey Theater, and mute	
Light sensor	None	
Touchpad	One-piece touchpad, multi-touch	
Dimensions ³	(<i>WxDxH</i>): 13.6" x 9.4" x 0.8" to 1.3"; 345mm x 239mm x 20mm to 32.8mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 4.85 lb (2.2 kg)	
Case color	<i>Top</i> : dark gray with brushed metal or dark gray with pattern, <i>Bottom</i> : black	
Case material	<i>Top and palmrest</i> : Aluminium <i>Bottom</i> : Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell , 48Wh or 62Wh	
Battery - life ¹⁰	Up to 4.0 hr	
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	<i>Left side</i> : two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) <i>Right side</i> : one USB 2.0 port, one USB 2.0 or USB 3.0 port (depending on model)	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
Intel 2200	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2x2	
Bluetooth™	Bluetooth 4.0 wireless	
Modem	None	
Ethernet	Gigabit ethernet, Atheros® AR8151B/AR8161A, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / JBL® designed stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	
	Dual-core models: 90-watt AC adapter Quad-core models: 120-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant Limited Warranty¹² <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 	

See footnotes for important warranty information
US model(s) announced January 30, 2013

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(WHSK-3) February 2013



Lenovo IdeaPad Y400
with optional backlight keyboard



Lenovo IdeaPad Y400
with optional backlight keyboard



Lenovo IdeaPad Y400
with optional 2nd fan or 2nd Graphics



Lenovo IdeaPad Y400
with optional 2nd fan or 2nd Graphics



Lenovo IdeaPad Y400
with optional backlight keyboard



Lenovo IdeaPad Y400
with optional 2nd fan or 2nd Graphics

IdeaPad™ Y400 (NVIDIA) - Windows 8 (web only models)

Personal Systems Reference (PSREF)

Type-model / Part number	Processor	Memory	Wide screen display	Camera	Graphics	SATA disk GB ⁸ rpm	mSATA SSD	Ultrabay device	PCIe Mini Card 802.11	Top color	Blue-tooth	Backlit key-board	Power adapter	Win8 preload	Avail date (mm/yy)
9523-24U	i5-3210M	4GBx2	14.0" HD	720p	GT 650M 2G	1TB 5400		DVD±RW	Intel 2230	Black	BT4.0	Backlit	90W	Win8 64	11/12
59360114	i7-3630QM	4GBx2	14.0" HD	720p	GT 650M 2G	1TB 5400		DVD±RW	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	11/12
9523-25U	i7-3630QM	4GBx2	14.0" HD	720p	GT 650M 2G	1TB 5400		BD burner	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	11/12
9523-2FU	i7-3630QM	4GBx2	14.0" HD	720p	GT 650M 2G	1TB 5400	16G	DVD±RW	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	11/12
9523-2HU	i7-3630QM	4GBx2	14.0" HD	720p	GT 650M 2G	750GB 7200		DVD±RW	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	01/13
59371958	i5-3230M	4GBx2	14.0" HD	720p	GT 750M 2G	1TB 5400		DVD±RW	Intel 2230	Black	BT4.0	Backlit	90W	Win8 64	04/13
59371952	i7-3630QM	4GBx2	14.0" HD	720p	GT 750M 2G	1TB 5400		DVD±RW	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	04/13
59371954	i7-3630QM	4GBx2	14.0" HD	720p	GT 750M 2G	1TB 5400	16G	DVD±RW	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	04/13

- **14.0" widescreen, glossy display with LED backlight**
- **Always-on USB port – lets you recharge a mobile device even when the notebook is powered off and unplugged from the mains**
- **JBL designed speakers supporting Dolby Home Theatre V4 audio certification for immersive sound**
- **UltraBay – interchangeable bay that can be instantly swapped out for dual graphics capability, increased storage space, or an additional fan for cooling**

Positioning	<i>Widescreen flexibility; two-spindle</i>	Preloaded operating system²⁰ - Windows® 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo OneKey Theater • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp® - Windows Store apps (Metro-style) <ul style="list-style-type: none"> • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Processor	Intel® Core™ i5-3210M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.10GHz), integrated Intel HD Graphics 4000 Intel Core i5-3230M processor (2 cores / 4 threads, 2.60GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.20GHz), integrated Intel HD Graphics 4000 Intel Core i7-3630QM processor (4 cores / 8 threads, 2.40GHz, 6MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.40GHz), integrated Intel HD Graphics 4000	
Memory	16GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Ultrabay	One modular bay for interchangeable devices (optional): optical drive, second hard disk, second discrete graphics (require optional 170-watt AC adapter), and second cooling fan <i>Some:</i> DVD burner, DVD disk recordable, dual-layer support, via Ultrabay, 9.5mm, tray-in, <i>Some:</i> Blu-ray™ burner, Blu-ray and DVD disk recordable, via Ultrabay, 9.5mm high, tray-in	
Optical	None	
2 nd hard disk	None	
2 nd graphics	None	
2 nd cooling fan	None	
SATA disk	<i>Some:</i> 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high <i>Some:</i> 750GB (7200 rpm) hybrid hard disk / with 8GB SLC NAND flash memory, SATA 6.0Gb/s, 9.5mm high	
mSATA™ SSD	<i>Some:</i> 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	
Widescreen display	14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	<i>Some:</i> NVIDIA® GeForce® GT 650M Graphics, 2GB GDDR5 memory, DirectX® 11, <i>Some:</i> NVIDIA GeForce GT 750M Graphics, 2GB GDDR5 memory, DirectX 11, external monitor support via analog VGA connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, with LED backlight on selected models	
Numeric keypad	None	
Touchpad	One-piece touchpad, multi-touch (4-point)	
Dimensions ³	(<i>WxDxH</i>): 13.8" x 9.6" x 0.6" to 1.3"; 350mm x 245mm x 15mm to 33mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.51 lb (2.5 kg), vary by configuration	
Case color	<i>Top and Bottom:</i> Dusk black with hairline texture	
Case material	<i>Top and palmrest:</i> Aluminium <i>Bottom:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell , 72Wh	
Battery - life ¹⁰	<i>GT 650M models:</i> Up to 3.0 hr	
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital eXtended Capacity Card, xD-Picture Card™)	
Ports	<i>Left side:</i> one USB 3.0 port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) <i>Right side:</i> two USB 2.0 ports (one powered / Always-on USB)	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots (one for mSATA SSD, one for Wi-Fi adapter)	
Intel 2230	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2	
Bluetooth™	Wi-Fi + Bluetooth combo adapter	
Modem	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Ethernet	Gigabit ethernet, Atheros® AR8161L/AR8151, PCIe interface	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / JBL® stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF) (3.5 mm)	
Security	Power on password, Hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information

☞ US model(s) announced April 17, 2013; previous model(s) on November 28, 2012 or January 30, 2013

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Lenovo IdeaPad Y570



Lenovo IdeaPad Y570



Lenovo IdeaPad Y570



Lenovo IdeaPad Y570



Lenovo IdeaPad Y570



Lenovo IdeaPad Y570

IdeaPad™ Y570 (0862) - NVIDIA (Windows 7)

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Discrete graphics	SATA disk GB ³ rpm	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	USB3.0 Connector	Win7 preload	Avail date
0862-2MU	i5-2410M	2.30	2.90	2GBx2	15.6" HD	LED	GT 555M	750GB 5400		DVD±RW	Intel 1000	Black	Blue	USB3.0	Prem 64	Jul 11
0862-2LU	i5-2410M	2.30	2.90	4+2GB	15.6" HD	LED	GT 555M	750GB 5400		DVD±RW	Intel 1000	Black	Blue	USB3.0	Prem 64	Jul 11
0862-2KU	i7-2630QM	2.00	2.90	4+2GB	15.6" HD	LED	GT 555M	750GB 5400		DVD±RW	Intel 1000	Black	Blue	USB3.0	Prem 64	Jul 11
0862-2JU	i7-2630QM	2.00	2.90	4GBx2	15.6" HD	LED	GT 555M	750GB 5400		Blu-ray	Intel 1000	Black	Blue	USB3.0	Prem 64	Jul 11
0862-2ZU	i5-2430M	2.40	3.00	4+2GB	15.6" HD	LED	GT 555M	750GB 5400		DVD±RW	Intel 1000	Black	Blue	USB3.0	Prem 64	Nov 11
0862-64U	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	GT 555M	750GB 5400		DVD±RW	Intel 1000	Black	Blue	USB3.0	Prem 64	Nov 11
0862-62U	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	GT 555M	750GB 5400	64GB	Blu-ray	Intel 1000	Black	Blue	USB3.0	Prem 64	Nov 11
0862-3TU	i7-2670QM	2.20	3.10	4+2GB	15.6" HD	LED	GT 555M	500GB 5400		DVD±RW	Intel 1000	Black	BT.2.1	USB3.0	Prem 64	Feb 12
0862-6AU	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	GT 555M	1TB 5400		DVD±RW	Intel 1000	Black	Blue	USB3.0	Prem 64	Feb 12
0862-6KU	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	GT 555M	750GB 5400	64GB	DVD±RW	Intel 1000	Black	Blue	USB3.0	Prem 64	Feb 12

- 15.6" widescreen, glossy display with LED backlight
- Integrated 2.0 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- SRS Premium Sound audio system with two JBL® stereo speakers
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i5-2410M processor (dual-core, 2.30GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology Intel Core i7-2630QM processor (quad-core, 2.00GHz, 6MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology Intel Core i7-2670QM processor (quad-core, 2.20GHz, 6MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink PowerDVD (DVD±RW, Blu-ray) • Cyberlink Power2Go (DVD±RW, Blu-ray) • Lenovo DirectShare
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
SATA optical	Some: DVD burner, dual-layer support, 12.7mm high, tray-in Some: Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in	
SATA disk	500GB (5400 rpm), 750GB (5400 rpm), or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high	
mSATA™ SSD	Some: 64GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, LED indicator	
Discrete graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 in processor, and NVIDIA GeForce® GT 555M , PCI Express® x16, 1GB GDDR5 memory, DirectX® 11, NVIDIA CUDA™ technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, recovery key	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Numeric keypad	Numeric keypad on right of keyboard	
Light sensor	None	
Touch pad	Two-button touch pad with scroll feature, multi-touch	
Dimensions ³	(WxDxH): 15.2" x 10.0" x 0.9" to 1.4"; 385mm x 255mm x 22mm to 35.7mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.95 lb (2.7 kg)	
Case color	Dusk black top with texture, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 4 hr	120-watt AC adapter Wireless on/off switch Graphic Optimus/Integrated switch EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant
Chipset	Mobile Intel HM65 Express Chipset	
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	<i>Left side:</i> one USB 2.0 port and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) <i>Right side:</i> two USB 3.0 ports	Limited Warranty¹² ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner	None	
PCIe Mini Card	Three PCIe Mini Card slots	
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000	
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface	
Modem	None	
Ethernet	Gigabit ethernet, Broadcom® BCM57780/BCM57781, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / JBL® stereo speakers (1.5 watt x 2), SRS® Premium Sound™ / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information

US models announced February 29, 2012; previous models on July 6 or November 2, 2011

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IdeaPad™ Y570 (0862) - NVIDIA (Windows 7) - web only models

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Discrete graphics	SATA disk GB ⁸ rpm	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	USB3.0 Connector	Win7 preload	Avail date
0862-24U	i5-2410M	2.30	2.90	4GBx1	15.6" HD	LED	GT 555M	500GB 5400		DVD±RW	Intel 1000	Black	Blue	USB3.0	Prem 64	May 11
0862-25U	i5-2410M	2.30	2.90	2GBx2	15.6" HD	LED	GT 555M	750GB 5400		Blu-ray	Intel 1000	Black	Blue	USB3.0	Prem 64	May 11
0862-26U	i7-2630QM	2.00	2.90	4GBx2	15.6" HD	LED	GT 555M	500GB 7200		DVD±RW	Intel 1000	Black	Blue	USB3.0	Prem 64	May 11
0862-27U	i7-2630QM	2.00	2.90	4GBx2	15.6" HD	LED	GT 555M	750GB 5400		Blu-ray	Intel 1000	Black	Blue	USB3.0	Prem 64	May 11
0862-28U	i7-2630QM	2.00	2.90	4GBx2	15.6" HD	LED	GT 555M	750GB 5400	64GB	Blu-ray	Intel 1000	Black	Blue	USB3.0	Prem 64	May 11
0862-29U	i3-2310M	2.10		2GBx2	15.6" HD	LED	GT 555M	500GB 7200		DVD±RW	Intel 1000	Black	Blue	USB3.0	Prem 64	May 11
0862-2RU	i3-2330M	2.20		4GBx1	15.6" HD	LED	GT 555M	500GB 5400		DVD±RW	Intel 1000	Black	Blue	USB3.0	Prem 64	Nov 11
0862-2WU	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	GT 555M	750GB 5400		DVD±RW	Intel 1000	Black	Blue	USB3.0	Prem 64	Nov 11
0862-2UU	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	GT 555M	750GB 5400		Blu-ray	Intel 1000	Black	Blue	USB3.0	Prem 64	Nov 11
0862-2VU	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	GT 555M	750GB 5400	64GB	Blu-ray	Intel 1000	Black	Blue	USB3.0	Prem 64	Nov 11
0862-68U	i5-2430M	2.40	3.00	4GBx1	15.6" HD	LED	GT 555M	500GB 7200		DVD±RW	Intel 1000	Black	Blue	USB3.0	Prem 64	Dec 11
0862-6JU	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	GT 555M	500GB 7200		DVD±RW	Intel 1000	Black	Blue	USB3.0	Prem 64	Dec 11

• 15.6" widescreen, glossy display with LED backlight
 • Touch pad supports multi-touch function (pinch, expansion, chiral motion)
 • SRS Premium Sound audio system with two JBL® stereo speakers
 • These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), HT technology Intel Core i3-2330M processor (dual-core, 2.20GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), HT technology Intel Core i5-2410M processor (dual-core, 2.30GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology Intel Core i7-2630QM processor (quad-core, 2.00 GHz, 6MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology Intel Core i7-2670QM processor (quad-core, 2.20 GHz, 6MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink PowerDVD (DVD±RW, Blu-ray) • Cyberlink Power2Go (DVD±RW, Blu-ray) • Lenovo DirectShare
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	120-watt AC adapter Wireless on/off switch Graphic Optimus/Integrated switch EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant
SATA optical	Some: DVD burner, dual-layer support, 12.7mm high, tray-in Some: Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
SATA disk	500GB (5400 rpm), 500GB (7200 rpm), or 750GB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high	
mSATA™ SSD	Some: 64GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, LED indicator	
Discrete graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 in processor, and NVIDIA GeForce® GT 555M , PCI Express® x16, 1GB GDDR5 memory, DirectX® 11, NVIDIA CUDA™ technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, recovery key	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Numeric keypad	Numeric keypad on right of keyboard	
Light sensor	None	
Touch pad	Two-button touch pad with scroll feature, multi-touch	
Dimensions ³	(WxDxH): 15.2" x 10.0" x 0.9" to 1.4"; 385mm x 255mm x 22mm to 35.7mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.95 lb (2.7 kg)	
Case color	Dusk black top with texture, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 4 hr	
Chipset	Mobile Intel HM65 Express Chipset	
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	<i>Left side:</i> one USB 2.0 port and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) <i>Right side:</i> two USB 3.0 ports	
TV tuner	None	
PCIe Mini Card	Three PCIe Mini Card slots	
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000	
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface	
Modem	None	
Ethernet	Gigabit ethernet, Broadcom® BCM57780/BCM57781, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / JBL® stereo speakers (1.5 watt x 2), SRS® Premium Sound™ / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information

US models announced December 21, 2011; previous models on May 18 or November 23, 2011

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Type-model	Pro-cessor	Memory	Widescreen display	CCFL or LED	Discrete graphics	SATA disk GB ³ rpm	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	USB3.0 Connector	Win7 preload	Avail date
0862-6LU	i7-2670QM	4GBx2	15.6" HD	LED	GT 555M	1GB 500GB	5400	DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Prem 64	Feb 12
0862-6MU	i7-2670QM	4GBx2	15.6" HD	LED	GT 555M	1GB 500GB	5400	Blu-ray	Intel 1000	Black	BT2.1	USB3.0	Prem 64	Feb 12
0862-6HU	i7-2670QM	4GBx2	15.6" HD	LED	GT 555M	1GB 500GB	7200	Blu-ray	Intel 1000	Black	BT2.1	USB3.0	Prem 64	Feb 12
0862-6FU	i5-2450M	4GBx1	15.6" HD	LED	GT 555M	1GB 500GB	7200	DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Prem 64	May 12
0862-6PU	i7-2670QM	4GBx2	15.6" HD	LED	GT 555M	2GB 500GB	7200	DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Prem 64	May 12
0862-6QU	i7-2670QM	4GBx2	15.6" HD	LED	GT 555M	2GB 500GB	7200	32G Blu-ray	Intel 1000	Black	BT2.1	USB3.0	Prem 64	May 12
0862-6SU	i7-2670QM	4GBx2	15.6" HD	LED	GT 555M	1GB 1TB	5400	Blu-ray	Intel 1000	Black	BT2.1	USB3.0	Prem 64	May 12
0862-6TU	i7-2670QM	4GBx2	15.6" HD	LED	GT 555M	2GB 1TB	5400	32G Blu-ray	Intel 1000	Black	BT2.1	USB3.0	Prem 64	Jun 12
0862-6RU	i7-2670QM	4GBx2	15.6" HD	LED	GT 555M	1GB 1TB	5400	DVD±RW	Intel 1000	Black	BT2.1	USB3.0	Prem 64	Jun 12

- 15.6" widescreen, glossy display with LED backlight
- Integrated 2.0 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- SRS Premium Sound audio system with two JBL® stereo speakers
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i5-2450M processor (dual-core, 2.50 GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i7-2670QM processor (quad-core, 2.20 GHz, 6MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink PowerDVD (Blu-ray models) • Cyberlink Power2Go (DVD±RW models, Blu-ray models) • Lenovo DirectShare 120-watt AC adapter Wireless on/off switch Graphic Optimus/Integrated switch EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
SATA optical	Some: DVD burner, dual-layer support, 12.7mm high, tray-in Some: Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in	
SATA disk	500GB (5400 rpm), 500GB (7200 rpm), or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high	
mSATA™ SSD	Some: 32GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, LED indicator	
Discrete graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 in processor, and NVIDIA GeForce® GT 555M , PCI Express® x16, 1GB or 2GB GDDR5 memory, DirectX® 11, NVIDIA CUDA™ technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, recovery key	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Numeric keypad	Numeric keypad on right of keyboard	
Light sensor	None	
Touch pad	Two-button touch pad with scroll feature, multi-touch	
Dimensions ³	(WxDxH): 15.2" x 10.0" x 0.9" to 1.4"; 385mm x 255mm x 22mm to 35.7mm	
Weight ²	with optical drive and battery: 6-cell: 5.95 lb (2.7 kg)	
Case color	Dusk black top with texture, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 4 hr	
Chipset	Mobile Intel HM65 Express Chipset	
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	<i>Left side:</i> one USB 2.0 port and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) <i>Right side:</i> two USB 3.0 ports	
TV tuner	None	
PCIe Mini Card	Three PCIe Mini Card slots	
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000	
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface	
Modem	None	
Ethernet	Gigabit ethernet, Broadcom® BCM57780/BCM57781, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / JBL® stereo speakers (1.5 watt x 2), SRS® Premium Sound™ / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	
		Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information

US model(s) announced June 21, 2012; previous models on February 29, May 17, or June 6, 2012



Lenovo IdeaPad Y580



Lenovo IdeaPad Y580



Lenovo IdeaPad Y580



Lenovo IdeaPad Y580



Lenovo IdeaPad Y580



Lenovo IdeaPad Y580

Type-model	Processor	Memory	Widescreen display	Graphics	SATA disk GB ⁸	mSATA SSD rpm	SATA optical	PCIe Mini Card 802.11	Top color (dark gray)	Blue-tooth	USB ports USB / USB 3.0 / 2.0	Backlit key-board	Win7 preload	Avail date (mm/yy)
2099-4CU	i7-3610QM	4+2GB	15.6" HD	GTX 660M 2G	750G	5400	DVD±RW	Intel 2200	Dark Gray	BT	x2 / x2	Backlit	Prem 64	08/12
2099-42U	i7-3610QM	4GBx2	15.6" FHD	GTX 660M 2G	1TB	5400	BD burner	Intel 2200	Dark Gray	BT	x2 / x2	Backlit	Prem 64	08/12
2099-4EU	i7-3610QM	4GBx2	15.6" HD	GTX 660M 2G	750G	5400	64G DVD±RW	Intel 2200	Dark Gray	BT	x2 / x2	Backlit	Prem 64	08/12

- 15.6" widescreen, glossy display with LED backlight
- Integrated HD720p camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Intelligent Touchpad – large touchpad with easy scroll, zoom, and rotate functions
- Dolby Home Theater v4 audio enhancement and JBL® designed speakers
- OneKey™ Theater II – one-touch audio-visual optimization for clearer, brighter images and richer audio
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i7-3610QM processor (4 cores / 8 threads, 2.30GHz, 6MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.30GHz), integrated Intel HD Graphics 4000	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • ooVoo™ • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Windows Live Essentials • Intelligent Touchpad • OneKey Theater • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink PowerDVD (Blu-ray models) • Cyberlink Power2Go (DVD±RW models, Blu-ray models)
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
SATA optical	<i>Some:</i> DVD burner, dual-layer support, 12.7mm high, tray-in <i>Some:</i> Blu-ray™ burner, Blu-ray and DVD disk recordable, 12.7mm, tray-in	
SATA disk	750GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
mSATA™ SSD	<i>Some:</i> 64GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	
Widescreen display	<i>Some:</i> 15.6" (396.2.6mm) HD (1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio <i>Some:</i> 15.6" (396.2.6mm) Full HD (1920x1080) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, and NVIDIA GeForce® GTX 660M Graphics , PCI Express® x16, 2GB GDDR5 memory, DirectX® 11, external monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, with LED backlight on selected models	
Numeric keypad	Numeric keypad on right of keyboard	
Controls	Buttons for power on/off, OneKey recovery, OneKey Theater, and mute	
Light sensor	None	
Touchpad	One-piece touchpad, multi-touch	
Dimensions ³	(WxDxH): 15.2" x 10.0" x 0.9" to 1.4"; 385mm x 255mm x 22mm to 35.7mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.95 lb (2.7 kg)	
Case color	<i>Top:</i> dark gray with brushed metal, <i>Bottom:</i> black	
Case material	<i>Top and palmrest:</i> Aluminium <i>Bottom:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell , 72Wh	
Battery - life ¹⁰	Up to 5.0 hr	
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	<i>Left side:</i> two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) <i>Right side:</i> one USB 2.0 port, one USB 2.0 or USB 3.0 port (depending on model)	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
Intel 2200	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2x2	
Bluetooth™	Bluetooth wireless	
Modem	None	
Ethernet	Gigabit ethernet, Atheros® AR8151B/AR8161A, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / JBL® designed stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	
	120-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant	
	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686	

See footnotes for important warranty information
US model(s) announced August 17, 2012

Part number	Processor	Memory	Widescreen display	Graphics	SATA disk GB ⁸	mSATA rpm	SATA SSD	SATA optical	PCIe Mini Card 802.11	Top color (dark gray)	Blue-tooth	USB ports USB 3.0 / 2.0	Backlit key-board	Win8 preload	Avail date (mm/yy)
59345715	i7-3630QM	4+2GB	15.6" HD	GTX 660M 2G	750G	5400		DVD±RW	Intel 2200	Dark Gray	BT4.0	x2 / x2	None	Win8 64	11/12
59345717	i7-3630QM	4GBx2	15.6" FHD	GTX 660M 2G	1TB	5400		BD burner	Intel 2200	Dark Gray	BT4.0	x2 / x2	None	Win8 64	11/12
59353260	i7-3630QM	4GBx2	15.6" FHD	GTX 660M 2G	750G	5400	16G	DVD±RW	Intel 2200	Dark Gray	BT4.0	x2 / x2	None	Win8 64	11/12
59353259	i7-3630QM	4GBx2	15.6" FHD	GTX 660M 2G	1TB	5400	16G	DVD±RW	Intel 2200	Dark Gray	BT4.0	x2 / x2	None	Win8 64	11/12

- 15.6" widescreen, glossy display with LED backlight
- Integrated HD720p camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Dolby Home Theater v4 audio enhancement and JBL® designed speakers
- OneKey™ Theater II – one-touch audio-visual optimization for clearer, brighter images and richer audio

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i7-3630QM processor (4 cores / 8 threads, 2.40GHz, 6MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.40GHz), integrated Intel HD Graphics 4000	Preloaded operating system²⁰ - Windows® 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo OneKey Theater • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • MaAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
SATA optical	<i>Some:</i> DVD burner, dual-layer support, 12.7mm high, tray-in <i>Some:</i> Blu-ray™ burner, Blu-ray and DVD disk recordable, 12.7mm, tray-in	
SATA disk	750GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
mSATA™ SSD	<i>Some:</i> 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	
Widescreen display	<i>Some:</i> 15.6" (396.2mm) HD (1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio <i>Some:</i> 15.6" (396.2mm) Full HD (1920x1080) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 in processor, and NVIDIA GeForce® GTX 660M Graphics , PCI Express® x16, 2GB GDDR5 memory, DirectX® 11, external monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, with LED backlight on selected models	
Numeric keypad	Numeric keypad on right of keyboard	
Controls	Buttons for power on/off, OneKey recovery, OneKey Theater, and mute	
Light sensor	None	
Touchpad	One-piece touchpad, multi-touch	
Dimensions ³	(WxDxH): 15.2" x 10.0" x 0.9" to 1.4"; 385mm x 255mm x 22mm to 35.7mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.95 lb (2.7 kg)	
Case color	<i>Top:</i> dark gray with brushed metal, <i>Bottom:</i> black	
Case material	<i>Top and palmrest:</i> Aluminium <i>Bottom:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell , 72Wh	
Battery - life ¹⁰	Up to 5.0 hr	
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	<i>Left side:</i> two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) <i>Right side:</i> one USB 2.0 port, one USB 2.0 or USB 3.0 port (depending on model)	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
Intel 2200	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2x2	
Bluetooth™	Bluetooth 4.0 wireless	
Modem	None	
Ethernet	Gigabit ethernet, Atheros® AR8151B/AR8161A, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / JBL® designed stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	
		Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
US model(s) announced November 28, 2012

IdeaPad™ Y580 (2099) - NVIDIA (web only models)

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Widescreen display	Graphics	SATA disk GB ⁸	mSATA rpm	SATA SSD	SATA optical	PCIe Mini Card 802.11	Top color (dark gray)	Blue-tooth	USB ports USB 3.0 / 2.0	Backlit key-board	Win7 preload	Avail date (mm/yy)
2099-48U	i7-3610QM	4GBx2	15.6" HD	GTX 660M 2G	500G	7200		DVD±RW	Intel 2200	Dark Gray	BT	x3 / x1	Backlit	Prem 64	06/12
2099-45U	i7-3610QM	4GBx2	15.6" FHD	GTX 660M 2G	500G	7200		BD burner	Intel 2200	Dark Gray	BT	x3 / x1	Backlit	Prem 64	06/12
2099-43U	i7-3610QM	4GBx2	15.6" HD	GTX 660M 2G	1TB	5400		DVD±RW	Intel 2200	Dark Gray	BT	x3 / x1	Backlit	Prem 64	06/12
2099-4BU	i7-3610QM	4GBx2	15.6" FHD	GTX 660M 2G	1TB	5400		BD burner	Intel 2200	Dark Gray	BT	x3 / x1	Backlit	Prem 64	06/12
2099-46U	i7-3610QM	4GBx2	15.6" HD	GTX 660M 2G	750G	5400	32G	DVD±RW	Intel 2200	Dark Gray	BT	x3 / x1	Backlit	Prem 64	06/12
2099-4HU	i7-3610QM	4GBx2	15.6" FHD	GTX 660M 2G	1TB	5400	32G	BD burner	Intel 2200	Dark Gray	BT	x3 / x1	Backlit	Prem 64	06/12
2099-4PU	i7-3630QM	4GBx2	15.6" FHD	GTX 660M 2G	500G	7200		BD burner	Intel 2200	Dark Gray	BT	x3 / x1	Backlit	Prem 64	10/12
2099-4MU	i7-3630QM	4GBx2	15.6" HD	GTX 660M 2G	1TB	5400		DVD±RW	Intel 2200	Dark Gray	BT	x3 / x1	Backlit	Prem 64	10/12
2099-4NU	i7-3630QM	4GBx2	15.6" FHD	GTX 660M 2G	1TB	5400	32G	BD burner	Intel 2200	Dark Gray	BT	x3 / x1	Backlit	Prem 64	10/12
2099-4RU	i7-3630QM	4GBx2	15.6" HD	GTX 660M 2G	500G	7200		DVD±RW	Intel 2200	Dark Gray	BT	x3 / x1	Backlit	Prem 64	11/12

- 15.6" widescreen, glossy display with LED backlight
- Integrated HD720p camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Intelligent Touchpad – large touchpad with easy scroll, zoom, and rotate functions
- Dolby Home Theater v4 audio enhancement and JBL® designed speakers
- OneKey™ Theater II – one-touch audio-visual optimization for clearer, brighter images and richer audio
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i7-3610QM processor (4 cores / 8 threads, 2.30GHz, 6MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.30GHz), integrated Intel HD Graphics 4000 Intel Core i7-3630QM processor (4 cores / 8 threads, 2.40GHz, 6MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.40GHz), integrated Intel HD Graphics 4000	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • ooVoo™ • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Windows Live Essentials • Intelligent Touchpad • OneKey Theater • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink PowerDVD (Blu-ray models) • Cyberlink Power2Go (DVD±RW models, Blu-ray models)
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
SATA optical	<i>Some:</i> DVD burner, dual-layer support, 12.7mm high, tray-in <i>Some:</i> Blu-ray™ burner, Blu-ray and DVD disk recordable, 12.7mm, tray-in	
SATA disk	500GB (7200 rpm), 750GB (5400 rpm), or 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
mSATA™ SSD	<i>Some:</i> 32GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	
Widescreen display	<i>Some:</i> 15.6" (396.2mm) HD (1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio <i>Some:</i> 15.6" (396.2mm) Full HD (1920x1080) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, and NVIDIA GeForce® GTX 660M Graphics , PCI Express® x16, 2GB GDDR5 memory, DirectX® 11, external monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, with LED backlight on selected models	
Numeric keypad	Numeric keypad on right of keyboard	
Controls	Buttons for power on/off, OneKey recovery, OneKey Theater, and mute	
Light sensor	None	
Touchpad	One-piece touchpad, multi-touch	
Dimensions ³	(WxDxH): 15.2" x 10.0" x 0.9" to 1.4"; 385mm x 255mm x 22mm to 35.7mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.95 lb (2.7 kg)	
Case color	<i>Top:</i> dark gray with brushed metal, <i>Bottom:</i> black	
Case material	<i>Top and palmrest:</i> Aluminium <i>Bottom:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell , 72Wh	120-watt AC adapter
Battery - life ¹⁰	Up to 5.0 hr	EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	<i>Left side:</i> two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) <i>Right side:</i> one USB 2.0 port, one USB 2.0 or USB 3.0 port (depending on model)	Limited Warranty¹² ↪ 1-year parts and labor ↪ Depot repair service¹⁹ ↪ Service upgrade options (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
Intel 2200	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2x2	
Bluetooth™	Bluetooth wireless	
Modem	None	
Ethernet	Gigabit ethernet, Atheros® AR8151B/AR8161A, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / JBL® designed stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information

US model(s) announced November 28, 2012; previous models on June 21 or October 24, 2012

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IdeaPad™ Y580 (NVIDIA) - Windows 8 (web only models)

Personal Systems Reference (PSREF)

Type-model / Part number	Processor	Memory	Widescreen display	Graphics	SATA disk GB ⁸	mSATA rpm	SATA SSD	SATA optical	PCIe Mini Card 802.11	Top color (dark gray)	Blue-tooth	USB ports USB 3.0 / USB 2.0	Backlit key-board	Win8 preload	Avail date (mm/yy)
2099-8NU	i7-3630QM	4GBx2	15.6" HD	GTX 660M 2G	1TB	5400		DVD±RW	Intel 2200	Dark Gray	BT4.0	x3 / x1	None	Win8 64	11/12
59359513	i7-3630QM	4GBx2	15.6" FHD	GTX 660M 2G	1TB	5400		BD burner	Intel 2200	Dark Gray	BT4.0	x3 / x1	None	Win8 64	11/12
59359510	i7-3630QM	4GBx2	15.6" FHD	GTX 660M 2G	1TB	5400	16G	BD burner	Intel 2200	Dark Gray	BT4.0	x3 / x1	None	Win8 64	11/12

- **15.6" widescreen, glossy display with LED backlight**
- **Integrated HD720p camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby Home Theater v4 audio enhancement and JBL® designed speakers**
- **OneKey™ Theater II – one-touch audio-visual optimization for clearer, brighter images and richer audio**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i7-3630QM processor (4 cores / 8 threads, 2.40GHz, 6MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.40GHz), integrated Intel HD Graphics 4000	Preloaded operating system²⁰ - Windows® 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo OneKey Theater • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • MaAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
SATA optical	<i>Some:</i> DVD burner, dual-layer support, 12.7mm high, tray-in <i>Some:</i> Blu-ray™ burner, Blu-ray and DVD disk recordable, 12.7mm, tray-in	
SATA disk	1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
mSATA™ SSD	<i>Some:</i> 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	
Widescreen display	<i>Some:</i> 15.6" (396.2mm) HD (1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio <i>Some:</i> 15.6" (396.2mm) Full HD (1920x1080) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 in processor, and NVIDIA GeForce® GTX 660M Graphics , PCI Express® x16, 2GB GDDR5 memory, DirectX® 11, external monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, with LED backlight on selected models	
Numeric keypad	Numeric keypad on right of keyboard	
Controls	Buttons for power on/off, OneKey recovery, OneKey Theater, and mute	
Light sensor	None	
Touchpad	One-piece touchpad, multi-touch	
Dimensions ³	(WxDxH): 15.2" x 10.0" x 0.9" to 1.4"; 385mm x 255mm x 22mm to 35.7mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.95 lb (2.7 kg)	
Case color	<i>Top:</i> dark gray with brushed metal, <i>Bottom:</i> black	
Case material	<i>Top and palmrest:</i> Aluminium <i>Bottom:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell , 72Wh	
Battery - life ¹⁰	Up to 5.0 hr	
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	
Ports	<i>Left side:</i> two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) <i>Right side:</i> one USB 2.0 port, one USB 2.0 or USB 3.0 port (depending on model)	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
Intel 2200	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2x2	
Bluetooth™	Bluetooth 4.0 wireless	
Modem	None	
Ethernet	Gigabit ethernet, Atheros® AR8151B/AR8161A, PCIe x1	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / JBL® designed stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	
Security	Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	
		Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Depot repair service¹⁹ ⇨ Service upgrade options (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
US model(s) announced November 28, 2012

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Lenovo IdeaPad Y500



Lenovo IdeaPad Y500



Lenovo IdeaPad Y500
with optional 2nd fan or 2nd Graphics



Lenovo IdeaPad Y500
with optional 2nd fan or 2nd Graphics



Lenovo IdeaPad Y500



Lenovo IdeaPad Y500
with optional 2nd fan or 2nd Graphics

Type-model / Part number	Processor	Memory	Widescreen display	Graphics	SATA disk	mSATA SSD	Ultrabay device	PCIe Mini Card 802.11	Top color	Blue-tooth	Backlit key-board	Power adapter	Win8 preload	Avail date (mm/yy)
59359560	i5-3230M	4+2GB	15.6" FHD	GT 650M 2G (SLI)	1TB		2nd GT 650M 2G	Intel 2230	Black	BT4.0	Backlit	170W	Win8 64	02/13
59359557	i7-3630QM	4GBx2	15.6" FHD	GT 650M 2G (SLI)	1TB		2nd GT 650M 2G	Intel 2230	Black	BT4.0	Backlit	170W	Win8 64	02/13
59359554	i7-3630QM	8+4GB	15.6" FHD	GT 650M 2G (SLI)	1TB	16G	2nd GT 650M 2G	Intel 2230	Black	BT4.0	Backlit	170W	Win8 64	02/13
59359559	i7-3630QM	8GBx2	15.6" FHD	GT 650M 2G (SLI)	1TB	16G	2nd GT 650M 2G	Intel 2230	Black	BT4.0	Backlit	170W	Win8 64	02/13

- **15.6" widescreen, glossy display with LED backlight**
- **Always-on USB port – lets you recharge a mobile device even when the notebook is powered off and unplugged**
- **JBL designed speakers supporting Dolby Home Theatre V4 audio certification for immersive sound**
- **UltraBay – interchangeable bay that can be instantly swapped out for dual graphics capability, increased storage space, or an additional fan for cooling**

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Core™ i5-3230M processor (2 cores / 4 threads, 2.60GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.20GHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i7-3630QM processor (4 cores / 8 threads, 2.40GHz, 6MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.40GHz), integrated Intel HD Graphics 4000</p>	<p>Preloaded operating system²⁰ - Windows® 8 64-bit</p> <p>Preloaded applications¹⁴ (only some listed)</p> <p>- Traditional Desktop apps</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo OneKey Theater • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp® <p>- Windows Store apps (Metro-style)</p> <ul style="list-style-type: none"> • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Memory	<p>16GB max⁷; PC3-12800 1600MHz DDR3*, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets</p> <p>* System automatically clocks down for processors with 1333MHz DDR3 memory controller</p>	
Ultrabay	<p>One modular bay for interchangeable devices (optional): optical drive, second hard disk, second discrete graphics (require 170-watt AC adapter), and second cooling fan</p> <p>Optical None</p> <p>2nd hard disk None</p> <p>2nd graphics Second NVIDIA® GeForce® GT 650M Graphics, 2GB GDDR5, via Ultrabay</p> <p>2nd cooling fan None</p> <p>SATA disk 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high</p> <p>mSATA™ SSD <i>Some:</i> 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot</p>	
Widescreen display	<p>15.6" (396.2mm) Full HD (1920x1080) TFT color, VibrantView (glossy); LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio</p>	
Camera	<p>HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator</p>	
Graphics	<p>Dual NVIDIA GeForce® GT 650M Graphics, 2GB GDDR5 for each, one GT 650M via Ultrabay, DirectX® 11, NVIDIA SLI® enabled, require 170-watt power adapter, external monitor support via analog VGA connector / digital HDMI connector</p>	
Keyboard	<p>Full-size keyboard, 6-row, with LED backlight</p>	
Numeric keypad	<p>Numeric keypad on right of keyboard</p>	
Touchpad	<p>One-piece touchpad, multi-touch (4-point)</p>	
Dimensions ³	<p>(WxDxH): 15.2" x 10.2" x 0.6" to 1.4"; 387mm x 259mm x 15.5mm to 36.0mm</p>	
Weight ²	<p>with optical drive and battery: <i>6-cell</i>: 5.95 lb (2.7 kg), vary by configuration</p>	
Case color	<p><i>Top and Bottom:</i> Dusk black with hairline texture</p>	
Case material	<p><i>Top and palmrest:</i> Aluminium</p> <p><i>Bottom:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic</p>	
Battery - type	<p>Lithium Ion 6-cell, 72Wh</p>	
Battery - life ¹⁰	<p><i>GT 650M models:</i> Up to 3.0 hr</p>	
Chipset	<p>Mobile Intel HM76 Express Chipset</p>	
ExpressCard/34	<p>None</p>	
Multicard reader	<p>6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital eXtended Capacity Card, xD-Picture Card™)</p>	<p>120-watt or 170-watt AC adapter</p> <p>EPEAT™ Gold rating</p> <p>ENERGY STAR® qualified</p> <p>RoHS-compliant</p>
Ports	<p><i>Left side:</i> two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)</p> <p><i>Right side:</i> one powered USB 2.0 port (Always-on USB)</p>	<p>Limited Warranty¹²</p> <p>↔ 1-year parts and labor</p> <p>↔ Depot repair service¹⁹</p> <p>↔ Service upgrade options (in eligible locations):⁹</p> <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 <p>↔ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686</p>
TV tuner	<p>None</p>	
PCIe Mini Card	<p>Two PCIe Mini Card slots (one for mSATA SSD, one for Wi-Fi adapter)</p>	
Intel 2230	<p>11b/g/n wireless⁴, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2</p>	
Bluetooth™	<p>Wi-Fi + Bluetooth combo adapter</p>	
Modem	<p>Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter</p>	
Ethernet	<p>None</p>	
Audio support	<p>Gigabit ethernet, Atheros® AR8161L/AR8151, PCIe interface</p> <p>High Definition (HD) Audio, RealTek® ALC269 codec / JBL® stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF) (3.5 mm)</p>	
Security	<p>Power on password, Hard disk password, supervisor password, security lockhole</p>	
Fingerprint reader	<p>None</p>	

See footnotes for important warranty information
US model(s) announced February 21, 2013

IdeaPad™ Y500 (NVIDIA) - Windows 8 (web only models)

Personal Systems Reference (PSREF)

Type-model / Part number	Processor	Memory	Widescreen display	Graphics	SATA disk	mSATA SSD	Ultrabay device	PCIe Mini Card 802.11	Top color	Blue-tooth	Backlit key-board	Power adapter	Win8 preload	Avail date (mm/yy)
9541-2SU	i7-3630QM	4GBx2	15.6" HD	GT 650M 2G	1TB		DVD±RW	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	11/12
59360242	i7-3630QM	4GBx2	15.6" FHD	GT 650M 2G	1TB		DVD±RW	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	11/12
9541-2VU	i7-3630QM	4GBx2	15.6" FHD	GT 650M 2G	1TB	16G	BD burner	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	11/12
59360241	i7-3630QM	4GBx2	15.6" FHD	GT 650M 2G	1TB	16G	DVD±RW	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	11/12
9541-2ZU	i7-3630QM	8GBx2	15.6" FHD	GT 650M 2G	1TB	16G	BD burner	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	11/12
9541-35U	i7-3632QM	8GBx2	15.6" FHD	GT 650M 2G	1TB	16G	BD burner	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	11/12
59356923	i7-3632QM	8GBx2	15.6" FHD	GT 650M 2G (SLI)	1TB	16G	2nd GT 650M 2G	Intel 2230	Black	BT4.0	Backlit	170W	Win8 64	11/12
9541-2UU	i7-3630QM	4GBx2	15.6" FHD	GT 650M 2G		750G	DVD±RW	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	01/13

- **15.6" widescreen, glossy display with LED backlight**
- **Always-on USB port – lets you recharge a mobile device even when the notebook is powered off and unplugged**
- **JBL designed speakers supporting Dolby Home Theatre V4 audio certification for immersive sound**
- **UltraBay – interchangeable bay that can be instantly swapped out for dual graphics capability, increased storage space, or an additional fan for cooling**

Positioning	<i>Widescreen flexibility; two-spindle</i>	Preloaded operating system²⁰ - Windows® 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo OneKey Theater • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Processor	Intel® Core™ i7-3630QM processor (4 cores / 8 threads, 2.40GHz, 6MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.40GHz), integrated Intel HD Graphics 4000 Intel Core i7-3632QM processor (4 cores / 8 threads, 2.20GHz, 6MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.20GHz), integrated Intel HD Graphics 4000	
Memory	16GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Ultrabay	One modular bay for interchangeable devices (optional): optical drive, second hard disk, second discrete graphics (require 170-watt AC adapter), and second cooling fan <i>Some:</i> DVD burner, DVD disk recordable, dual-layer support, via Ultrabay, 9.5mm, tray-in, <i>Some:</i> Blu-ray™ burner, Blu-ray and DVD disk recordable, via Ultrabay, 9.5mm high, tray-in	
Optical	None	
2 nd hard disk	None	
2 nd graphics	<i>Some:</i> Second NVIDIA® GeForce® GT 650M Graphics , 2GB GDDR5, via Ultrabay	
2 nd cooling fan	None	
SATA disk	<i>Some:</i> 1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high <i>Some:</i> 750GB (7200 rpm) hybrid hard disk / with 8GB SLC NAND flash memory, SATA 6.0Gb/s, 9.5mm high	
mSATA™ SSD	<i>Some:</i> 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	
Widescreen display	<i>Some:</i> 15.6" (396.2mm) HD (1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio <i>Some:</i> 15.6" (396.2mm) Full HD (1920x1080) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	<i>Some:</i> NVIDIA GeForce® GT 650M Graphics , 2GB GDDR5 memory, DirectX® 11 <i>Some:</i> Dual NVIDIA GeForce GT 650M Graphics , 2GB GDDR5 for each, one GT 650M via Ultrabay, DirectX 11, NVIDIA SLI® enabled, require 170-watt power adapter, external monitor support via analog VGA connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, with LED backlight	
Numeric keypad	Numeric keypad on right of keyboard	
Touchpad	One-piece touchpad, multi-touch (4-point)	
Dimensions ³	(WxDxH): 15.2" x 10.2" x 0.6" to 1.4"; 387mm x 259mm x 15.5mm to 36.0mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.95 lb (2.7 kg), vary by configuration	
Case color	<i>Top and Bottom:</i> Dusk black with hairline texture	
Case material	<i>Top and palmrest:</i> Aluminium <i>Bottom:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell , 72Wh	
Battery - life ¹⁰	<i>GT 650M models:</i> Up to 3.0 hr	
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital eXtended Capacity Card, xD-Picture Card™)	
Ports	<i>Left side:</i> two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) <i>Right side:</i> one powered USB 2.0 port (Always-on USB)	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots (one for mSATA SSD, one for Wi-Fi adapter)	
Intel 2230	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter	
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Modem	None	
Ethernet	Gigabit ethernet, Atheros® AR8161L/AR8151, PCIe interface	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / JBL® stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF) (3.5 mm)	
Security	Power on password, Hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information

US model(s) announced January 30, 2013; previous model(s) on November 28, 2012

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IdeaPad™ Y500 (NVIDIA) - Windows 8 (web only models) - April 2013

Personal Systems Reference (PSREF)

Type-model / Part number	Processor	Memory	Widescreen display	Graphics	SATA disk	mSATA SSD	Ultrabay device	PCIe Mini Card 802.11	Top color	Blue-tooth	Backlit key-board	Power adapter	Win8 preload	Avail date (mm/yy)
59371960	i7-3630QM	4GBx2	15.6" HD	GT 750M 2G	1TB		DVD±RW	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	04/13
59371965	i7-3630QM	4GBx2	15.6" FHD	GT 750M 2G	1TB		DVD±RW	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	04/13
59371972	i7-3630QM	4GBx2	15.6" FHD	GT 750M 2G	1TB	16G	DVD±RW	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	04/13
59371969	i7-3630QM	8+4GB	15.6" FHD	GT 750M 2G	1TB	16G	DVD±RW	Intel 2230	Black	BT4.0	Backlit	120W	Win8 64	04/13
59371963	i7-3630QM	8GBx2	15.6" FHD	GT 750M 2G (SLI)	1TB	16G	2nd GT 750M 2G	Intel 2230	Black	BT4.0	Backlit	170W	Win8 64	04/13

- **15.6" widescreen, glossy display with LED backlight**
- **Always-on USB port – lets you recharge a mobile device even when the notebook is powered off and unplugged**
- **JBL designed speakers supporting Dolby Home Theatre V4 audio certification for immersive sound**
- **UltraBay – interchangeable bay that can be instantly swapped out for dual graphics capability, increased storage space, or an additional fan for cooling**

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i7-3630QM processor (4 cores / 8 threads, 2.40GHz, 6MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.40GHz), integrated Intel HD Graphics 4000	Preloaded operating system ²⁰ - Windows® 8 64-bit
Memory	16GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	Preloaded applications ¹⁴ (only some listed)
Ultrabay	One modular bay for interchangeable devices (optional): optical drive, second hard disk, second discrete graphics (require 170-watt AC adapter), and second cooling fan <i>Some:</i> DVD burner, DVD disk recordable, dual-layer support, via Ultrabay, 9.5mm, tray-in,	<ul style="list-style-type: none"> - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo OneKey Theater • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Optical 2 nd hard disk	None	
2 nd graphics	<i>Some:</i> Second NVIDIA® GeForce® GT 750M Graphics , 2GB GDDR5, via Ultrabay	
2 nd cooling fan	None	
SATA disk	1TB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high	
mSATA™ SSD	<i>Some:</i> 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	
Widescreen display	<i>Some:</i> 15.6" (396.2mm) HD (1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio <i>Some:</i> 15.6" (396.2mm) Full HD (1920x1080) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	<i>Some:</i> NVIDIA GeForce® GT 750M Graphics , 2GB GDDR5 memory, DirectX® 11 <i>Some:</i> Dual NVIDIA GeForce GT 750M Graphics , 2GB GDDR5 for each, one GT 750M via Ultrabay, DirectX 11, NVIDIA SLI® enabled, require 170-watt power adapter, external monitor support via analog VGA connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, with LED backlight	
Numeric keypad	Numeric keypad on right of keyboard	
Touchpad	One-piece touchpad, multi-touch (4-point)	
Dimensions ³	(WxDxH): 15.2" x 10.2" x 0.6" to 1.4"; 387mm x 259mm x 15.5mm to 36.0mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.95 lb (2.7 kg), vary by configuration	
Case color	<i>Top and Bottom:</i> Dusk black with hairline texture	
Case material	<i>Top and palmrest:</i> Aluminium <i>Bottom:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell , 72Wh	
Battery - life ¹⁰	<i>GT 750M models:</i> Up to 3.0 hr	
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital eXtended Capacity Card, xD-Picture Card™)	
Ports	<i>Left side:</i> two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) <i>Right side:</i> one powered USB 2.0 port (Always-on USB)	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots (one for mSATA SSD, one for Wi-Fi adapter)	
Intel 2230	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter	
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Modem	None	
Ethernet	Gigabit ethernet, Atheros® AR8161L/AR8151, PCIe interface	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / JBL® stereo speakers (1.5 watt x 2), Dolby® Home Theater® v4 certified / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF) (3.5 mm)	
Security	Power on password, Hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	
		120-watt or 170-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant
		Limited Warranty ¹² ⇨ 1-year parts and labor ⇨ Depot repair service ¹⁹ ⇨ Service upgrade options (in eligible locations): ⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686

See footnotes for important warranty information
US model(s) announced April 17, 2013

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Lenovo IdeaPad Z370 (black)



Lenovo IdeaPad Z370 (blue)



Lenovo IdeaPad Z370 (blue)



Lenovo IdeaPad Z370 (black)



Lenovo IdeaPad Z370 (black)



Lenovo IdeaPad Z370 (black)

IdeaPad™ Z370 (1025) - Integrated (Windows 7)

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Bluetooth	Win7 preload	Avail date
1025-26U	i5-2410M	2.30	2.90	2GBx2	13.3" HD	LED	0.3M	Intel HD	500GB ⁸	DVD±RW	Intel 1000	Black	Bluetooth	Prem 64	Jul 11
1025-27U	i3-2310M	2.10		2GBx2	13.3" HD	LED	0.3M	Intel HD	320GB	DVD±RW	Intel 1000	Black	Bluetooth	Prem 64	Jul 11
1025-2EU	i3-2330M	2.20		4GBx1	13.3" HD	LED	0.3M	Intel HD	320GB	DVD±RW	Intel 1000	Black	Bluetooth	Prem 64	Nov 11
1025-2DU	i5-2430M	2.40	3.00	4+2GB	13.3" HD	LED	0.3M	Intel HD	500GB	DVD±RW	Intel 1000	Black	Bluetooth	Prem 64	Nov 11
1025-78U	i3-2350M	2.30		4GBx1	13.3" HD	LED	0.3M	Intel HD	320GB	DVD±RW	Intel 1000	Black	Bluetooth	Prem 64	Feb 12

- **13.3" widescreen, glossy display with LED backlight**
- **Integrated 0.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **SRS Premium Sound provides the ultimate audio experience for music, movies and games on the PC**
- **Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology</p> <p>Intel Core i3-2330M processor (dual-core, 2.20GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology</p> <p>Intel Core i3-2350M processor (dual-core, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology</p> <p>Intel Core i5-2410M processor (dual-core, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology</p> <p>Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Genuine Windows® 7 Home Premium 64 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live™ Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Lenovo DirectShare
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in	
SATA disk	320GB (5400 rpm) or 500GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
Widescreen display	13.3" (337.8mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	None	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	(WxDxH): 12.9" x 8.7" x 0.8" to 1.3"; 328mm x 222mm x 20mm to 33mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 4.41lb (2.0 kg)	
Case color	Black top, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	<i>Integrated</i> : up to 5 hr	65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Chipset	Mobile Intel HM65 Express Chipset	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year warranty ↪ Mail in repair service ↪ Service upgrade options⁵⁸ (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner	None	
PCIe Mini Card	One PCIe Mini Card slot	
11b/g/n	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000	
Bluetooth™	Bluetooth 2.1 wireless + EDR	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC269Q-VB codec / SRS® Premium Sound™, stereo speakers (1.5 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	Hard disk password, user password, administrator password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information

US model(s) announced February 29, 2012; previous models on July 6 or November 2, 2011

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IdeaPad™ Z370 (1025) - Integrated (Windows 7) - web only models

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Bluetooth	Win7 preload	Avail date
1025-22U	i5-2410M	2.30	2.90	2GBx2	13.3" HD	LED	2.0M	Intel HD	500GB ⁸	DVD±RW	11b/g/n	Black	Bluetooth	Prem 64	Mar 11
1025-23U	i3-2310M	2.10		2GBx2	13.3" HD	LED	2.0M	Intel HD	500GB	DVD±RW	11b/g/n	Black	Bluetooth	Prem 64	Mar 11
1025-25U	i5-2410M	2.30	2.90	2GBx2	13.3" HD	LED	2.0M	Intel HD	500GB	DVD±RW	11b/g/n	Blue	Bluetooth	Prem 64	Mar 11
1025-2UU	B800	1.50		4GBx1	13.3" HD	LED	2.0M	Intel HD	500GB	DVD±RW	Intel 1000	Black	Bluetooth	Prem 64	Dec 11
1025-2VU	i3-2330M	2.20		4GBx1	13.3" HD	LED	2.0M	Intel HD	500GB	DVD±RW	Intel 1000	Black	Bluetooth	Prem 64	Dec 11
1025-AEU	i5-2430M	2.40	3.00	4GBx1	13.3" HD	LED	2.0M	Intel HD	500GB	DVD±RW	Intel 1000	Blue	Bluetooth	Prem 64	Feb 12

- **13.3" widescreen, glossy display with LED backlight**
- **Integrated 2.0 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **SRS Premium Sound provides the ultimate audio experience for music, movies and games on the PC**
- **Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Celeron® B800 processor (dual-core, 1.50GHz, 2MB cache), DDR3 memory controller (up to 1333MHz)</p> <p>Intel Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology</p> <p>Intel Core i3-2330M processor (dual-core, 2.20GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology</p> <p>Intel Core i5-2410M processor (dual-core, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology</p> <p>Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Genuine Windows® 7 Home Premium 64 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live™ Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Lenovo DirectShare
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in	
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
Widescreen display	13.3" (337.8mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	None	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	(WxDxH): 12.9" x 8.7" x 0.8" to 1.3"; 328mm x 222mm x 20mm to 33mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 4.41lb (2.0 kg)	
Case color	Black or blue top, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	<i>Integrated:</i> up to 5 hr	65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Chipset	Mobile Intel HM65 Express Chipset	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	Limited Warranty¹²
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	<ul style="list-style-type: none"> ↪ 1-year warranty ↪ Mail In repair service ↪ Service upgrade options⁵⁸ (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner	None	
PCIe Mini Card	One PCIe Mini Card slot	
11b/g/n	<i>Some:</i> 11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® or Atheros® chip, 1x1	
Intel 1000	<i>Some:</i> 11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000	
Bluetooth™	Bluetooth 2.1 wireless + EDR	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC269Q-VB codec / SRS® Premium Sound™, stereo speakers (1.5 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	Hard disk password, user password, administrator password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information

Ⓜ US model(s) announced February 29, 2012; previous models on March 23 or December 21, 2011

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(GIN1-1) March 2012

IdeaPad™ Z370 (1025) - Optimus (Windows 7) - web only models

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Bluetooth	Win7 preload	Avail date
1025-24U	i5-2520M	2.50	3.20	2+4GB	13.3" HD	LED	2.0M	GF 410M	750GB ⁸	DVD±RW	11b/g/n	Black	Bluetooth	Prem 64	Mar 11

- **13.3" widescreen, glossy display with LED backlight**
- **Integrated 2.0 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **SRS Premium Sound provides the ultimate audio experience for music, movies and games on the PC**
- **Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **This system is Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i5-2520M processor (dual-core, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology											Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64	
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets											Preloaded applications¹⁴ (only some listed)	
Diskette drive	None											<ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live™ Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Lenovo DirectShare 	
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in												
SATA disk	750GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high												
Widescreen display	13.3" (337.8mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio												
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, LED indicator											90-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant	
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 in processor, and NVIDIA GeForce® 410M , PCI Express® x16, 1GB memory, DirectX® 11, NVIDIA PureVideo® HD technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector												
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key												
Numeric keypad	None												
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control											Limited Warranty¹² ⇨ 1-year warranty ⇨ Mail In repair service ⇨ Service upgrade options⁵⁸ (in eligible locations): ⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686	
Light sensor	None												
Touch pad	One-piece touch pad with scroll feature, multi-touch												
Dimensions ³	<i>(WxDxH):</i> 12.9" x 8.7" x 0.8" to 1.3"; 328mm x 222mm x 20mm to 33mm												
Weight ²	with optical drive and battery: <i>6-cell:</i> 4.41lb (2.0 kg)											Limited Warranty¹² ⇨ 1-year warranty ⇨ Mail In repair service ⇨ Service upgrade options⁵⁸ (in eligible locations): ⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686	
Case color	Black top, black bottom												
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic												
Battery - type	Lithium Ion 6-cell												
Battery - life ¹⁰	<i>Discrete with Optimus:</i> up to 4.5 hr											Limited Warranty¹² ⇨ 1-year warranty ⇨ Mail In repair service ⇨ Service upgrade options⁵⁸ (in eligible locations): ⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686	
Chipset	Mobile Intel HM65 Express Chipset												
ExpressCard/34	None												
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)												
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)											Limited Warranty¹² ⇨ 1-year warranty ⇨ Mail In repair service ⇨ Service upgrade options⁵⁸ (in eligible locations): ⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686	
TV tuner	None												
PCIe Mini Card	One PCIe Mini Card slot												
11b/g/n	11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® or Atheros® chip, 1x1												
Bluetooth™	Bluetooth 2.1 wireless + EDR											Limited Warranty¹² ⇨ 1-year warranty ⇨ Mail In repair service ⇨ Service upgrade options⁵⁸ (in eligible locations): ⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686	
Modem	None												
Ethernet	10/100M ethernet, Realtek® RTL8105E												
Audio support	High Definition (HD) Audio, RealTek® ALC269Q-VB codec / SRS® Premium Sound™, stereo speakers (1.5 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)												
Security	Hard disk password, user password, administrator password, security lockhole											Limited Warranty¹² ⇨ 1-year warranty ⇨ Mail In repair service ⇨ Service upgrade options⁵⁸ (in eligible locations): ⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686	
Fingerprint reader	None												

See footnotes for important warranty information
 US model announced March 23, 2011

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 (GIN1-2) March 2011



Lenovo IdeaPad Z380 (Peony pink)



Lenovo IdeaPad Z380 (Peony pink)



Lenovo IdeaPad Z380 (Enamel white)



Lenovo IdeaPad Z380 (Graphite gray)



Lenovo IdeaPad Z380 (Graphite gray)



Lenovo IdeaPad Z380 (Graphite gray)

IdeaPad™ Z380 (2129) - Integrated (web only models)

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk GB ⁸ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date (mm/yy)
2129-38U	i5-2450M	2.50	3.10	4+2GB	13.3" HD	LED	720p	Intel HD 3000	500GB 7200	DVD±RW	11b/g/n ²⁸	Pink	BT	Prem 64	06/12
2129-32U	i3-2370M	2.40		4GBx1	13.3" HD	LED	720p	Intel HD 3000	500GB 5400	DVD±RW	11b/g/n	Gray	BT	Prem 64	07/12
2129-33U	i3-2370M	2.40		4+2GB	13.3" HD	LED	720p	Intel HD 3000	500GB 7200	DVD±RW	11b/g/n	Gray	BT	Prem 64	07/12
2129-34U	i5-2450M	2.50	3.10	4+2GB	13.3" HD	LED	720p	Intel HD 3000	500GB 5400	DVD±RW	11b/g/n	Gray	BT	Prem 64	07/12
2129-39U	i5-2450M	2.50	3.10	4+2GB	13.3" HD	LED	720p	Intel HD 3000	500GB 7200	DVD±RW	11b/g/n	White	BT	Prem 64	07/12
2129-35U	i5-2450M	2.50	3.10	4GBx2	13.3" HD	LED	720p	Intel HD 3000	500GB 5400	DVD±RW	11b/g/n	Gray	BT	Prem 64	07/12
2129-3BU	i3-3110M	2.40		4+2GB	13.3" HD	LED	720p	Intel HD 4000	500GB 7200	DVD±RW	11b/g/n	Gray	BT	Prem 64	08/12
2129-3DU	i5-3210M	2.50	3.10	4GBx2	13.3" HD	LED	720p	Intel HD 4000	500GB 5400	DVD±RW	11b/g/n	Gray	BT	Prem 64	08/12
2129-3HU	i5-3210M	2.50	3.10	4+2GB	13.3" HD	LED	720p	Intel HD 4000	500GB 7200	DVD±RW	11b/g/n	White	BT	Prem 64	08/12
2129-3JU	i5-3210M	2.50	3.10	4+2GB	13.3" HD	LED	720p	Intel HD 4000	500GB 7200	DVD±RW	11b/g/n	Pink	BT	Prem 64	08/12
2129-3CU	i5-3210M	2.50	3.10	4+2GB	13.3" HD	LED	720p	Intel HD 4000	500GB 5400	DVD±RW	11b/g/n	Gray	BT	Prem 64	09/12

- **13.3" widescreen, glossy display with LED backlight**
- **Integrated HD 720p megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Intelligent Touchpad – large touchpad with easy scroll, zoom and rotate functions**
- **Dolby Home Theater v4 audio enhancement with two stereo speakers**
- **Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Core™ i3-2370M processor (2 cores / 4 threads, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), integrated Intel HD Graphics 3000</p> <p>Intel Core i3-3110M processor (2 cores / 4 threads, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i5-2450M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology integrated Intel HD Graphics 3000</p> <p>Intel Core i5-3210M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology integrated Intel HD Graphics 4000</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Genuine Windows® 7 Home Premium 64 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • ooVoo™ • PokeTALK • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW models, Blu-ray models) • Cyberlink PowerDVD (Blu-ray models)
Memory	<p>8GB max⁷; PC3-12800 1600MHz DDR3*, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets</p> <p>* System automatically clocks down for processors with 1333MHz DDR3 memory controller</p>	
Diskette drive	None	
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in	
SATA disk	500GB (5400 rpm) or 500GB (7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
Widescreen display	13.3" (337.8mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	None	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad, supports multi-touch	
Dimensions ³	<i>Aluminium top (WxDxH):</i> 12.9" x 8.7" x 1.2" to 1.3"; 328mm x 222mm x 30.8mm to 32.4mm <i>PC/ABS top (WxDxH):</i> 12.9" x 8.7" x 1.2" to 1.3"; 328mm x 222mm x 31.3mm to 32.9mm with optical drive and battery: <i>6-cell:</i> 4.63 lb (2.1 kg)	
Weight ²		
Case color	Graphite gray, enamel white, or peony pink top, black bottom	
Case material	<i>Top:</i> Aluminium (gray models) or PC/ABS (white and pink models); <i>Bottom:</i> PC/ABS	<p><i>Integrated models:</i> 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant</p>
Battery - type	Lithium Ion 6-cell, 48Wh	
Battery - life ¹⁰	<i>Integrated models:</i> up to 6 hr	
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	One USB 2.0 and two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year warranty ↪ Mail In repair service ↪ Service upgrade options⁵⁸ (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner	None	
PCIe Mini Card	One PCIe Mini Card slot	
11b/g/n ²⁸	11b/g/n wireless ⁹ , PCIe Mini Card adapter, Broadcom® or Atheros® chip	
Bluetooth™	Bluetooth wireless	
Modem	None	
Ethernet	10/100 ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (1.5 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	Power on password, Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information

US model(s) announced September 19, 2012; previous models on June 6, July 11 or August 17, 2012

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(GIN2-1) September 2012

IdeaPad™ Z380 (2129) - Integrated (Windows 8) - web only models

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk GB ⁵ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win8 preload	Avail date (mm/yy)
2129-44U	i5-3210M	2.50	3.10	4+2GB	13.3" HD	LED	720p	Intel HD 4000	500GB 5400	DVD±RW	Intel 2200 ²⁸	Gray	BT4.0	Win8 64	11/12
2129-45U	i5-3210M	2.50	3.10	4+2GB	13.3" HD	LED	720p	Intel HD 4000	500GB 5400	DVD±RW	Intel 2200	White	BT4.0	Win8 64	11/12
2129-46U	i5-3210M	2.50	3.10	4+2GB	13.3" HD	LED	720p	Intel HD 4000	500GB 5400	DVD±RW	Intel 2200	Pink	BT4.0	Win8 64	11/12
2129-48U	i5-3210M	2.50	3.10	4GBx2	13.3" HD	LED	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2200	Gray	BT4.0	Win8 64	11/12

- 13.3" widescreen, glossy display with LED backlight
- Integrated HD 720p megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Dolby Home Theater v4 audio enhancement with two stereo speakers
- Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode

Positioning	<i>Widescreen flexibility; two-spindle</i>										Preloaded operating system²⁰ - Windows [®] 8 64-bit				
Processor	Intel® Core™ Core i5-3210M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology integrated Intel HD Graphics 4000										Preloaded applications¹⁴ (only some listed)				
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller										- Traditional Desktop apps <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo OneKey Theater • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp[®] - Windows Store apps (Metro-style) <ul style="list-style-type: none"> • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion 				
Diskette drive	None										Integrated models: 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant				
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in														
SATA disk	500GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high										Limited Warranty¹² ⇨ 1-year warranty ⇨ Mail In repair service ⇨ Service upgrade options⁵⁸ (in eligible locations): ⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686				
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset														
Widescreen display	13.3" (337.8mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio										⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686				
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator														
Graphics	Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant														
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key														
Numeric keypad	None														
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control														
Light sensor	None														
Touch pad	One-piece touch pad, supports multi-touch														
Dimensions ³	<i>Aluminium top WxDxH):</i> 12.9" x 8.7" x 1.2" to 1.3"; 328mm x 222mm x 30.8mm to 32.4mm <i>PC/ABS top (WxDxH):</i> 12.9" x 8.7" x 1.2" to 1.3"; 328mm x 222mm x 31.3mm to 32.9mm														
Weight ²	with optical drive and battery: <i>6-cell:</i> 4.63 lb (2.1 kg)														
Case color	Graphite gray, enamel white, or peony pink top, black bottom														
Case material	<i>Top:</i> Aluminium (gray models) or PC/ABS (white and pink models); <i>Bottom:</i> PC/ABS														
Battery - type	Lithium Ion 6-cell, 48Wh														
Battery - life ¹⁰	<i>Integrated models:</i> up to 6 hr														
Chipset	Mobile Intel HM76 Express Chipset														
ExpressCard/34	None														
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)														
Ports	One USB 2.0 and two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)														
TV tuner	None														
PCIe Mini Card	One PCIe Mini Card slot														
Intel 2200 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2 x 2														
Bluetooth™	Bluetooth 4.0 wireless														
Modem	None														
Ethernet	10/100M ethernet, Realtek® RTL8105E														
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (1.5 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)														
Security	Power on password, Hard disk password, administrator password, security lockhole														
Fingerprint reader	None														

See footnotes for important warranty information
US model(s) announced November 28, 2012

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Lenovo IdeaPad Z470



Lenovo IdeaPad Z470



Lenovo IdeaPad Z470



Lenovo IdeaPad Z470



Lenovo IdeaPad Z470



Lenovo IdeaPad Z470

IdeaPad™ Z470 (1022) - Integrated (Windows 7) - web only models

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk GB ⁸ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date
1022-45U	i5-2410M	2.30	2.90	4GBx2	14.0" HD	LED	2.0M	Intel HD	750GB 5400	Blu-ray	Intel 1000	Blue	BT2.1	Prem 64	May 11
1022-46U	i5-2410M	2.30	2.90	4GBx2	14.0" HD	LED	2.0M	Intel HD	750GB 5400	DVD±RW	Intel 1000	Black	BT2.1	Prem 64	May 11
1022-47U	i5-2410M	2.30	2.90	4GBx2	14.0" HD	LED	2.0M	Intel HD	750GB 5400	DVD±RW	Intel 1000	Blue	BT2.1	Prem 64	May 11
1022-49U	i5-2410M	2.30	2.90	4GBx1	14.0" HD	LED	2.0M	Intel HD	750GB 5400	DVD±RW	Intel 1000	Black	BT2.1	Prem 64	Sep 11
1022-4AU	i5-2410M	2.30	2.90	4GBx1	14.0" HD	LED	2.0M	Intel HD	750GB 5400	DVD±RW	Intel 1000	Pink	BT2.1	Prem 64	Sep 11
1022-4BU	i5-2410M	2.30	2.90	4GBx2	14.0" HD	LED	2.0M	Intel HD	750GB 5400	Blu-ray	Intel 1000	Black	BT2.1	Prem 64	Sep 11
1022-4MU	i5-2430M	2.40	3.00	4GBx2	14.0" HD	LED	2.0M	Intel HD	750GB 5400	DVD±RW	Intel 1000	Black	BT2.1	Prem 64	Dec 11
1022-4NU	i5-2430M	2.40	3.00	4GBx2	14.0" HD	LED	2.0M	Intel HD	750GB 5400	Blu-ray	Intel 1000	Black	BT2.1	Prem 64	Dec 11
1022-4QU	i5-2430M	2.40	3.00	4+2GB	14.0" HD	LED	2.0M	Intel HD	500GB 5400	DVD±RW	Intel 1000	Black	BT2.1	Prem 64	Dec 11
1022-4RU	i5-2430M	2.40	3.00	4GBx1	14.0" HD	LED	2.0M	Intel HD	500GB 5400	DVD±RW	Intel 1000	Pink	BT2.1	Prem 64	Dec 11
1022-4SU	i5-2430M	2.40	3.00	4GBx1	14.0" HD	LED	2.0M	Intel HD	500GB 5400	DVD±RW	Intel 1000	Blue	BT2.1	Prem 64	Dec 11
1022-5LU	i5-2430M	2.40	3.00	4GBx2	14.0" HD	LED	2.0M	Intel HD	500GB 7200	DVD±RW	Intel 1000	Black	BT2.1	Prem 64	Dec 11
1022-5MU	i5-2430M	2.40	3.00	4GBx2	14.0" HD	LED	2.0M	Intel HD	500GB 5400	DVD±RW	Intel 1000	Blue	BT2.1	Prem 64	Dec 11
1022-5CU	i5-2450M	2.50	3.10	4+2GB	14.0" HD	LED	2.0M	Intel HD	500GB 5400	DVD±RW	Intel 1000	Black	BT2.1	Prem 64	Feb 12
1022-5EU	i5-2450M	2.50	3.10	4GBx1	14.0" HD	LED	2.0M	Intel HD	500GB 5400	DVD±RW	Intel 1000	Blue	BT2.1	Prem 64	Feb 12
1022-5DU	i5-2450M	2.50	3.10	4GBx1	14.0" HD	LED	2.0M	Intel HD	500GB 5400	DVD±RW	Intel 1000	Pink	BT2.1	Prem 64	Mar 12
1022-5QU	i5-2450M	2.50	3.10	4GBx2	14.0" HD	LED	2.0M	Intel HD	500GB 5400	DVD±RW	Intel 1000	Black	BT2.1	Prem 64	Mar 12
1022-4LU	B800	1.50		4GBx1	14.0" HD	LED	2.0M	Intel HD	500GB 5400	DVD±RW	Intel 1000	Black	BT2.1	Prem 64	May 12
1022-59U	i5-2450M	2.50	3.10	4GBx2	14.0" HD	LED	2.0M	Intel HD	750GB 5400	DVD±RW	Intel 1000	Black	BT2.1	Prem 64	May 12
1022-5ZU	i5-2450M	2.50	3.10	4GBx2	14.0" HD	LED	2.0M	Intel HD	1TB 5400	DVD±RW	Intel 1000	Black	BT2.1	Prem 64	May 12
1022-5BU	i5-2450M	2.50	3.10	4GBx2	14.0" HD	LED	2.0M	Intel HD	750GB 5400	DVD±RW	Intel 1000	Blue	BT2.1	Prem 64	Jul 12

- 14.0" widescreen, glossy display with LED backlight
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Celeron® B800 processor (dual-core, 1.50GHz, 2MB cache), DDR3 memory controller (up to 1333MHz)</p> <p>Intel Core™ i5-2410M processor (dual-core, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology</p> <p>Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology</p> <p>Intel Core i5-2450M processor (dual-core, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Genuine Windows® 7 Home Premium 64 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW, Blu-ray) • Cyberlink PowerDVD (Blu-ray) • Lenovo DirectShare
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
SATA optical	Some: DVD burner, dual-layer support, 12.7mm high, tray-in	
SATA disk	Some: Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in	
SATA disk	500GB (5400 rpm), 500GB (7200 rpm), 750GB (5400 rpm), or 1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
Widescreen display	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	None	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	(WxDxH): 13.4" x 9.1" x 0.8" to 1.3"; 341mm x 232mm x 20mm to 34mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 4.85 lb (2.2 kg)	
Case color	Dusk black, sky blue, or pink top, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 5 hr	65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant
Chipset	Mobile Intel HM65 Express Chipset	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	One PCIe Mini Card slot	
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000	
Bluetooth™	Bluetooth 2.1 wireless + EDR	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek ALC269Q-VB codec / SRS® Premium Sound™, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	
		<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year warranty ↪ Mail In repair service ↪ Service upgrade options⁵⁸ (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information

Ⓜ US model(s) announced July 11, 2012;

previous models on May 18, September 1, or December 21, 2011 or February 29, March 21, or May 17, 2012

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Lenovo IdeaPad Z480 (Graphite Gray)



Lenovo IdeaPad Z480 (Graphite Gray)



Lenovo IdeaPad Z480 (Coral Blue)



Lenovo IdeaPad Z480 (Coral Blue)



Lenovo IdeaPad Z480 (Graphite gray)



Lenovo IdeaPad Z480 (Cherry Red)

IdeaPad™ Z480 (2148) - Integrated (web only models)

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk GB ⁹ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date (mm/yy)
2148-35U	i3-3110M	2.40		4+2GB	14.0" HD	LED	720p	Intel HD 4000	500GB 7200	DVD±RW	11b/g/n ²⁸	Gray	BT4.0	Prem 64	07/12
2148-3FU	i5-3210M	2.50	3.10	4+2GB	14.0" HD	LED	720p	Intel HD 4000	500GB 7200	DVD±RW	11b/g/n	Red	BT4.0	Prem 64	07/12
2148-3HU	i5-3210M	2.50	3.10	4+2GB	14.0" HD	LED	720p	Intel HD 4000	500GB 7200	DVD±RW	11b/g/n	Blue	BT4.0	Prem 64	07/12
2148-36U	i5-3210M	2.50	3.10	4+2GB	14.0" HD	LED	720p	Intel HD 4000	500GB 7200	DVD±RW	11b/g/n	Gray	BT4.0	Prem 64	07/12
2148-3BU	i5-3210M	2.50	3.10	4GBx2	14.0" HD	LED	720p	Intel HD 4000	750GB 5400	DVD±RW	11b/g/n	Gray	BT4.0	Prem 64	07/12
2148-3EU	i7-3612QM	2.10	3.10	4GBx2	14.0" HD	LED	720p	Intel HD 4000	500GB 7200	DVD±RW	11b/g/n	Gray	BT4.0	Prem 64	07/12

- 14.0" widescreen, glossy display with LED backlight
- Integrated HD 720p megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Intelligent Touchpad – large touchpad with easy scroll, zoom and rotate functions
- Dolby Home Theater v4 audio enhancement with two stereo speakers
- Lenovo Rescue System provides OneKey Recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3-3110M processor (2 cores / 4 threads, 2.40GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i5-3210M processor (2 cores / 4 threads, 2.50GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), integrated Intel HD Graphics 4000 Intel Core i7-3612QM processor (4 cores / 8 threads, 2.10GHz, 6MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), integrated Intel HD Graphics 4000	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo OneKey™ Recovery • ooVoo™ • PokeTALK • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW models, Blu-ray models) • Cyberlink PowerDVD (Blu-ray models)
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in	
SATA disk	500GB (7200 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
Widescreen display	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	None	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad, supports multi-touch	
Dimensions ³	<i>Aluminium top (WxDxH):</i> 13.4" x 9.1" x 1.28" ~ 1.34"; 341mm x 232mm x 32.4mm ~ 34.0mm <i>PC/ABS top (WxDxH):</i> 13.4" x 9.1" x 1.30" ~ 1.36"; 341mm x 232mm x 32.9mm ~ 34.5mm with optical drive and battery: <i>6-cell:</i> 5.07 lb (2.3 kg)	
Weight ²		
Case color	Graphite gray, coral blue, or cherry red top, black bottom	
Case material	<i>Top:</i> Aluminum (gray models) or PC/ABS (blue and red models); <i>Bottom:</i> PC/ABS	<i>Integrated models:</i> 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant
Battery - type	Lithium Ion 6-cell , 48Wh	
Battery - life ¹⁰	<i>Integrated models:</i> up to 6 hr	
Chipset	Mobile Intel HM76 Express Chipset	Limited Warranty¹²
ExpressCard/34	None	↪ 1-year warranty
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	↪ Mail in repair service
Ports	Two USB 2.0 and two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	↪ Service upgrade options⁵⁸ (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532
TV tuner	None	• 1-year Onsite with accidental damage protection 78Y1533
PCIe Mini Card	One PCIe Mini Card slot 11b/g/n wireless ²⁸ , PCIe Mini Card adapter, Broadcom® or Atheros® chip, 1x1	• 2-year Lenovo Onsite Repair¹³ 78Y1536
Bluetooth™	Bluetooth 4.0 wireless	• 3-year Lenovo Depot Repair 78Y1538
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Security	Power on password, Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) announced July 11, 2012;

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IdeaPad™ Z480 (2148) - Integrated (Windows 8) - web only models

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk GB ⁹ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win8 preload	Avail date (mm/yy)
2148-46U	i3-3110M	2.40	3.10	4GBx1	14.0" HD	LED	720p	Intel HD 4000	500G 5400	DVD±RW	Intel 2200 ²⁸	Gray	BT4.0	Win8 64	11/12
2148-4AU	i5-3210M	2.50	3.10	4+2GB	14.0" HD	LED	720p	Intel HD 4000	500G 5400	DVD±RW	Intel 2200	Red	BT4.0	Win8 64	11/12
2148-4BU	i5-3210M	2.50	3.10	4+2GB	14.0" HD	LED	720p	Intel HD 4000	500G 5400	DVD±RW	Intel 2200	Blue	BT4.0	Win8 64	11/12
2148-4CU	i5-3210M	2.50	3.10	4GBx2	14.0" HD	LED	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2200	Gray	BT4.0	Win8 64	11/12
2148-4NU	i7-3632QM	2.20	3.20	4GBx2	14.0" HD	LED	720p	Intel HD 4000	1TB 5400	BD burner	Intel 2200	Gray	BT4.0	Win8 64	11/12

- 14.0" widescreen, glossy display with LED backlight
- Integrated HD 720p megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Dolby Home Theater v4 audio enhancement with two stereo speakers
- Lenovo Rescue System provides OneKey Recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3-3110M processor (2 cores / 4 threads, 2.40GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i5-3210M processor (2 cores / 4 threads, 2.50GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), integrated Intel HD Graphics 4000 Intel Core i7-3632QM processor (4 cores / 8 threads, 2.20GHz, 6MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.20GHz), integrated Intel HD Graphics 4000	Preloaded operating system²⁰ - Windows® 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo OneKey Theater • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
SATA optical	Some: DVD burner, dual-layer support, 12.7mm high, tray-in Some: Blu-ray™ burner, Blu-ray and DVD disk recordable, 12.7mm, tray-in	
SATA disk	500GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
Widescreen display	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	None	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad, supports multi-touch	
Dimensions ³	Aluminium top (WxDxH): 13.4" x 9.1" x 1.28" ~ 1.34"; 341mm x 232mm x 32.4mm ~ 34.0mm PC/ABS top (WxDxH): 13.4" x 9.1" x 1.30" ~ 1.36"; 341mm x 232mm x 32.9mm ~ 34.5mm	
Weight ²	with optical drive and battery: 6-cell: 5.07 lb (2.3 kg)	
Case color	Graphite gray, coral blue, or cherry red top, black bottom	
Case material	Top: Aluminium (gray models) or PC/ABS (blue and red models); Bottom: PC/ABS	Integrated models: 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant
Battery - type	Lithium Ion 6-cell , 48Wh	
Battery - life ¹⁰	Integrated models: up to 6 hr	
Chipset	Mobile Intel HM76 Express Chipset	Limited Warranty¹²
ExpressCard/34	None	↪ 1-year warranty
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	↪ Mail In repair service
Ports	Two USB 2.0 and two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	↪ Service upgrade options⁵⁸ (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532
TV tuner	None	• 1-year Onsite with accidental damage protection 78Y1533
PCIe Mini Card	One PCIe Mini Card slot	• 2-year Lenovo Onsite Repair¹³ 78Y1536
Intel 2200 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2 x 2	• 3-year Lenovo Depot Repair 78Y1538
Bluetooth™	Bluetooth 4.0 wireless	↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	Power on password, Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) announced November 28, 2012

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Lenovo IdeaPad Z400 (Dark chocolate)



Lenovo IdeaPad Z400 (Dark chocolate)



Lenovo IdeaPad Z400 (Pink)



Lenovo IdeaPad Z400 (Blue)



Lenovo IdeaPad Z400 (Dark chocolate)



Lenovo IdeaPad Z400

IdeaPad™ Z400 (Integrated) - Windows 8 (web only models)

Personal Systems Reference (PSREF)

Type-model / Part number	Pro-processor	Memory	Widescreen display	CCFL or LED	Cam-era	Graphics	SATA disk GB ⁸ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Backlit key-board	Win8 preload	Avail date (mm/yy)
59354520	i7-3520M	4GBx2	14.0" HD	LED	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2230	Dark chocolate	BT4.0	Backlit	Win8 64	01/13

- **14.0" widescreen with LED backlight**
- **Specialized stereo speakers for extra bass with Dolby Home Theatre v4 audio certification for immersive sound**
- **Backlit AccuType keyboard with individual rounded keys for comfortable and accurate typing (Optional feature)**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i7-3520M processor (2 cores / 4 threads, 2.90GHz, 4MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.60GHz), integrated Intel HD Graphics 4000										Preloaded operating system²⁰ - Windows® 8 64-bit			
Memory	16GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller										Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp® - Windows Store apps • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion			
Diskette drive	None										Integrated models: 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant			
SATA optical	DVD burner, dual-layer support, 9.5mm high, tray-in													
SATA disk	1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high													
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset													
Widescreen display	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio										Limited Warranty¹² ⇒ 1-year warranty ⇒ Mail In repair service ⇒ Service upgrade options⁵⁸ (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇒ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686			
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator													
Graphics	Intel HD Graphics 4000 in processor, External monitor support via analog VGA DB-15 connector / digital HDMI connector													
Keyboard	Full-size keyboard, 6-row, Fn keys, with LED backlight on selected models													
Numeric keypad	None													
Light sensor	None													
Touch pad	One-piece touch pad, supports multi-touch													
Dimensions ³	<i>(WxDxH):</i> 13.6" x 9.6" x 1.0"; 345mm x 244mm x 26.0mm													
Weight ²	with optical drive and battery: <i>4-cell:</i> 4.41 lb (2.0 kg)													
Case color	<i>Top:</i> dark chocolate, blue, or pink; <i>bottom:</i> color matches top color													
Case material	<i>Top and bottom:</i> PC/ABS													
Battery - type	Lithium Ion 4-cell, 48Wh / 3400mAh													
Battery - life ¹⁰	up to 5 hr													
Chipset	Mobile Intel HM76 Express Chipset													
ExpressCard/34	None													
Multicard reader	2-in-1 reader (MultiMedia Card and Secure Digital Card)													
Ports	Two USB 2.0 and one USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)													
TV tuner	None													
PCIe Mini Card	Two PCIe Mini Card slots													
Intel 2230 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter													
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter													
Modem	None													
Ethernet	10/100M ethernet, Realtek® RTL8105E													
Audio support	High Definition (HD) Audio, RealTek® ALC269Q-VC codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / dual array digital microphone, microphone input / headphone combo jack (stereo, 3.5 mm)													
Security	Power on password, Hard disk password, administrator password, security lockhole													
Fingerprint reader	None													

See footnotes for important warranty information
US model(s) announced January 30, 2013

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IdeaPad™ Z400 Touch (Integrated) - Windows 8

Personal Systems Reference (PSREF)

Type-model / Part number	Pro-processor	Memory	Widescreen display	CCFL or LED	Multi-touch	Camera	Graphics	SATA disk GB ³ rpm	SATA optical	PCIe Mini Card 802.11	Blue-tooth	Backlit key-board	Win8 preload	Avail date (mm/yy)
59361316	i5-3230M	4+2GB	14.0" HD	LED	10-Point	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2230	BT4.0	Backlit	Win8 64	03/13

- **14.0" widescreen with LED backlight**
- **Enjoy greater accuracy with the 10-point multi-touch display optimized for the new Windows 8 interface**
- **Specialized stereo speakers for extra bass with Dolby Home Theatre v4 audio certification for immersive sound**
- **Backlit AccuType keyboard with individual rounded keys for comfortable and accurate typing (Optional feature)**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i5-3230M processor (2 cores / 4 threads, 2.60GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.20GHz), integrated Intel HD Graphics 4000										Preloaded operating system²⁰ - Windows® 8 64-bit			
Memory	16GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller										Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp® - Windows Store apps • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion			
Diskette drive	None													
SATA optical	DVD burner, dual-layer support, 9.5mm high, tray-in													
SATA disk	1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high													
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset													
Widescreen display	14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio, frameless													
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point, GFF Solution													
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator													
Graphics	Intel HD Graphics 4000 in processor, External monitor support via analog VGA DB-15 connector / digital HDMI connector													
Keyboard	Full-size keyboard, 6-row, Fn keys, with LED backlight on selected models													
Numeric keypad	None													
Light sensor	None													
Touch pad	One-piece touch pad, supports multi-touch													
Dimensions ³	<i>(WxDxH):</i> 13.6" x 9.6" x 1.1"; 345mm x 244mm x 29.15mm													
Weight ²	with optical drive and battery: <i>4-cell:</i> 5.29 lb (2.4 kg)													
Case color	<i>Top:</i> dark chocolate; <i>bottom:</i> color matches top color													
Case material	<i>Top and bottom:</i> PC/ABS													
Battery - type	Lithium Ion 4-cell, 48Wh / 3400mAh													
Battery - life ¹⁰	up to 5 hr													
Chipset	Mobile Intel HM76 Express Chipset													
ExpressCard/34	None													
Multicard reader	2-in-1 reader (MultiMedia Card and Secure Digital Card)													
Ports	Two USB 2.0 and one USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)													
TV tuner	None													
PCIe Mini Card	Two PCIe Mini Card slots													
Intel 2230 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter										<i>Integrated models:</i> 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant			
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter													
Modem	None													
Ethernet	10/100M ethernet, Realtek® RTL8105E													
Audio support	High Definition (HD) Audio, RealTek® ALC269Q-VC codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / dual array digital microphone, microphone input / headphone combo jack (stereo, 3.5 mm)										Limited Warranty¹² ↪ 1-year warranty ↪ Mail in repair service ↪ Service upgrade options⁵⁸ (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686			
Security	Power on password, Hard disk password, administrator password, security lockhole													
Fingerprint reader	None													

See footnotes for important warranty information
US model(s) announced March 6, 2013

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(LAF1T-2) March 2013

IdeaPad™ Z400 Touch (Integrated) - Windows 8 (web only models)

Personal Systems Reference (PSREF)

Type-model / Part number	Processor	Memory	Widescreen display	CCFL or LED	Multi-touch	Camera	Graphics	SATA disk GB ³ rpm	SATA optical	PCIe Mini Card 802.11	Bluetooth	Backlit key-board	Win8 preload	Avail date (mm/yy)
59362573	i3-3120M	4GBx1	14.0" HD	LED	10-Point	720p	Intel HD 4000	500G 5400	DVD±RW	Intel 2230	BT4.0	Backlit	Win8 64	03/13
59362575	i5-3230M	4GBx2	14.0" HD	LED	10-Point	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2230	BT4.0	Backlit	Win8 64	03/13
59362578	i7-3520M	4GBx2	14.0" HD	LED	10-Point	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2230	BT4.0	Backlit	Win8 64	03/13
59365077	i5-3230M	4GBx2	14.0" HD+	LED	10-Point	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2230	BT4.0	Backlit	Win8 64	03/13
59365072	i7-3520M	4GBx2	14.0" HD+	LED	10-Point	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2230	BT4.0	Backlit	Win8 64	03/13
59365073	i7-3632QM	4GBx2	14.0" HD+	LED	10-Point	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2230	BT4.0	Backlit	Win8 64	03/13

- **14.0" widescreen with LED backlight**
- **Enjoy greater accuracy with the 10-point multi-touch display optimized for the new Windows 8 interface**
- **Specialized stereo speakers for extra bass with Dolby Home Theatre v4 audio certification for immersive sound**
- **Backlit AccuType keyboard with individual rounded keys for comfortable and accurate typing (Optional feature)**

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Core™ i3-3120M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i5-3230M processor (2 cores / 4 threads, 2.60GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.20GHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i7-3520M processor (2 cores / 4 threads, 2.90GHz, 4MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.60GHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i7-3632QM processor (4 cores / 8 threads, 2.20GHz, 6MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.20GHz), integrated Intel HD Graphics 4000</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Windows® 8 64-bit <p>Preloaded applications¹⁴ (only some listed)</p> <p>- Traditional Desktop apps</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp® <p>- Windows Store apps</p> <ul style="list-style-type: none"> • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Memory	<p>16GB max⁷; PC3-12800 1600MHz DDR3*, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets</p> <p>* System automatically clocks down for processors with 1333MHz DDR3 memory controller</p>	
Diskette drive	None	
SATA optical	DVD burner, dual-layer support, 9.5mm high, tray-in	
SATA disk	500GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
Widescreen display	<p><i>Some:</i> 14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy); LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio, frameless</p> <p><i>Some:</i> 14.0" (355.6mm) HD+ (1600x900) TFT color, VibrantView (glossy); LED backlight, 250 nits, 16:9 aspect ratio, 500:1 contrast ratio, frameless</p>	
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point, GFF Solution	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	<p>Intel HD Graphics 4000 in processor,</p> <p>External monitor support via analog VGA DB-15 connector / digital HDMI connector</p>	
Keyboard	Full-size keyboard, 6-row, Fn keys, with LED backlight on selected models	
Numeric keypad	None	
Light sensor	None	
Touch pad	One-piece touch pad, supports multi-touch	
Dimensions ³	(WxDxH): 13.6" x 9.6" x 1.1"; 345mm x 244mm x 29.15mm	
Weight ²	with optical drive and battery: 4-cell: 5.29 lb (2.4 kg)	
Case color	<i>Top:</i> dark chocolate; <i>bottom:</i> color matches top color	
Case material	<i>Top and bottom:</i> PC/ABS	
Battery - type	Lithium Ion 4-cell, 48Wh / 3400mAh	
Battery - life ¹⁰	up to 5 hr	<p><i>Integrated models:</i> 65-watt AC adapter</p> <p>EPEAT™ Gold rating</p> <p>ENERGY STAR® qualified</p> <p>RoHS-compliant</p>
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	2-in-1 reader (MultiMedia Card and Secure Digital Card)	
Ports	Two USB 2.0 and one USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year warranty ↪ Mail In repair service ↪ Service upgrade options⁵⁸ (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
Intel 2230 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2	
	Wi-Fi + Bluetooth combo adapter	
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC269Q-VC codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / dual array digital microphone, microphone input / headphone combo jack (stereo, 3.5 mm)	
Security	Power on password, Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
US model(s) announced March 6, 2013

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Lenovo IdeaPad Z570



Lenovo IdeaPad Z570



Lenovo IdeaPad Z570



Lenovo IdeaPad Z570



Lenovo IdeaPad Z570



Lenovo IdeaPad Z570

IdeaPad™ Z570 (1024) - Integrated (Windows 7)

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload
1024-32U	i5-2520M	2.50	3.20	2+4GB	15.6" HD	LED	2.0M	Intel HD	500GB ⁸	DVD±RW	11b/g/n	Gray	BT2.1	Prem 64
1024-33U	i3-2310M	2.10		2GBx2	15.6" HD	LED	2.0M	Intel HD	500GB	DVD±RW	11b/g/n	Gray	BT2.1	Prem 64
1024-3SU	i3-2310M	2.10		2GBx2	15.6" HD	LED	0.3M	Intel HD	500GB	Blu-ray	Intel 1000	Gunmetal gray	BT2.1	Prem 64
1024-95U	i3-2310M	2.10		2GBx2	15.6" HD	LED	0.3M	Intel HD	750GB	DVD±RW	Intel 1000	Gunmetal gray		Prem 64
1024-3JU	i3-2310M	2.10		2GBx2	15.6" HD	LED	0.3M	Intel HD	500GB	DVD±RW	Intel 1000	Gunmetal gray		Prem 64
1024-94U	i5-2410M	2.30	2.90	2+4GB	15.6" HD	LED	0.3M	Intel HD	750GB	DVD±RW	Intel 1000	Gunmetal gray	BT2.1	Prem 64
1024-3WU	i5-2410M	2.30	2.90	2GBx2	15.6" HD	LED	0.3M	Intel HD	750GB	DVD±RW	Intel 1000	Gunmetal gray	BT2.1	Prem 64
1024-96U	i7-2630QM	2.00	2.90	2GBx2	15.6" HD	LED	0.3M	Intel HD	750GB	DVD±RW	Intel 1000	Gunmetal gray	BT2.1	Prem 64

- 15.6" widescreen, glossy display with LED backlight
- Integrated 0.3 or 2.0 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- SRS Premium Sound provides the ultimate audio experience for music, movies and games on the PC
- Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), HT technology Intel Core i5-2410M processor (dual-core, 2.30GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology Intel Core i5-2520M processor (dual-core, 2.50GHz, 3MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology Intel Core i7-2630QM processor (quad-core, 2.00 GHz, 6MB cache) , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications ¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW, Blu-ray) • Cyberlink PowerDVD (Blu-ray) • Lenovo DirectShare
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
SATA optical	Some: DVD burner, dual-layer support, 12.7mm high, tray-in Some: Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in	
SATA disk	500GB (5400 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 0.3-megapixel or 2.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	(WxDxH): 14.8" x 9.8" x 0.8" to 1.4"; 376mm x 250mm x 20mm to 35.5mm	
Weight ²	with optical drive and battery: 6-cell: 5.73lb (2.6 kg)	
Case color	Gray or gunmetal gray top, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 5 hr	Dual-core models: 65-watt AC adapter Quad-core models: 90-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Chipset	Mobile Intel HM65 Express Chipset	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	Limited Warranty ¹² ↪ 1-year warranty ↪ Mail In repair service ↪ Service upgrade options ⁵⁸ (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair ¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair ¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	One PCIe Mini Card slot Some: 11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® or Atheros® chip Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 1000	
Bluetooth™	Some: Bluetooth 2.1 wireless + EDR	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / SRS® Premium Sound™, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	Hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information

ES* US models announced July 6, 2011; previous models on March 28, 2011

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Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload
1024-9LU	i3-2330M	2.20		4GBx1	15.6" HD	LED	0.3M	Intel HD	500GB ⁸	DVD±RW	Intel 1000	Gunmetal gray		Prem 64
1024-9MU	i3-2330M	2.20		4+2GB	15.6" HD	LED	0.3M	Intel HD	750GB	DVD±RW	Intel 1000	Gunmetal gray		Prem 64
1024-9QU	i5-2430M	2.40	3.00	4+2GB	15.6" HD	LED	0.3M	Intel HD	750GB	DVD±RW	Intel 1000	Gunmetal gray	BT2.1	Prem 64
1024-9RU	i5-2430M	2.40	3.00	4GBx2	15.6" HD	LED	0.3M	Intel HD	750GB	Blu-ray	Intel 1000	Gunmetal gray	BT2.1	Prem 64
1024-9UU	i7-2670QM	2.20	3.10	4+2GB	15.6" HD	LED	0.3M	Intel HD	750GB	DVD±RW	Intel 1000	Gunmetal gray	BT2.1	Prem 64
1024-AMU	i3-2350M	2.30		4GBx1	15.6" HD	LED	0.3M	Intel HD	500GB	DVD±RW	Intel 1000	Gunmetal gray		Prem 64
1024-DAU	i3-2350M	2.30		4+2GB	15.6" HD	LED	0.3M	Intel HD	500GB	DVD±RW	Intel 1000	Gunmetal gray		Prem 64
1024-DCU	i5-2450M	2.50	3.10	4+2GB	15.6" HD	LED	0.3M	Intel HD	500GB	DVD±RW	Intel 1000	Gunmetal gray	BT2.1	Prem 64
1024-A3U	i7-2670QM	2.20	3.10	4GBx1	15.6" HD	LED	0.3M	Intel HD	500GB	DVD±RW	Intel 1000	Gunmetal gray	BT2.1	Prem 64
1024-ASU	i5-2450M	2.50	3.10	4GBx2	15.6" HD	LED	0.3M	Intel HD	750GB	Blu-ray	Intel 1000	Gunmetal gray	BT2.1	Prem 64
1024-A6U	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	0.3M	Intel HD	750GB	DVD±RW	Intel 1000	Gunmetal gray	BT2.1	Prem 64

- 15.6" widescreen, glossy display with LED backlight
- Integrated 0.3 or 2.0 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- SRS Premium Sound provides the ultimate audio experience for music, movies and games on the PC
- Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3-2330M processor (dual-core, 2.20GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology Intel Core i3-2350M processor (dual-core, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology Intel Core i5-2450M processor (dual-core, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i7-2670QM processor (quad-core, 2.20GHz, 6MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications ¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW, Blu-ray) • Cyberlink PowerDVD (Blu-ray) • Lenovo DirectShare
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
SATA optical	Some: DVD burner, dual-layer support, 12.7mm high, tray-in Some: Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in	
SATA disk	500GB (5400 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 0.3-megapixel or 2.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	(WxDxH): 14.8" x 9.8" x 0.8" to 1.4"; 376mm x 250mm x 20mm to 35.5mm	Dual-core models: 65-watt AC adapter Quad-core models: 90-watt AC adapter
Weight ²	with optical drive and battery: 6-cell: 5.73lb (2.6 kg)	Wireless on/off switch
Case color	Gray or gunmetal gray top, black bottom	EPEAT™ Gold rating
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	ENERGY STAR® 5.0-compliant
Battery - type	Lithium Ion 6-cell	RoHS-compliant
Battery - life ¹⁰	Up to 5 hr	
Chipset	Mobile Intel HM65 Express Chipset	Limited Warranty¹² ⇨ 1-year warranty ⇨ Mail in repair service ⇨ Service upgrade options ⁵⁸ (in eligible locations): ⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	One PCIe Mini Card slot	
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000	
Bluetooth™	Some: Bluetooth 2.1 wireless + EDR	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / SRS® Premium Sound™, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	Hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information

US models announced February 29, 2012; previous models on October 13, 2011 or January 18, 2012

IdeaPad™ Z570 (1024) - Integrated (Windows 7) - web only models

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Bluetooth	Win7 preload	Avail date
1024-34U	i5-2410M	2.30	2.90	4GBx1	15.6" HD	LED	0.3M	Intel HD	500GB ⁸	DVD±RW	Intel 1000	Gray		Prem 64	Jun 11
1024-36U	i3-2310M	2.10		4GBx1	15.6" HD	LED	0.3M	Intel HD	320GB	DVD±RW	Intel 1000	Gray		Prem 64	Jun 11
1024-97U	i7-2630QM	2.00	2.90	4GBx2	15.6" HD	LED	2.0M	Intel HD	750GB	BD burner	Intel 1000	Black	BT2.1	Prem 64	Jun 11
1024-98U	i7-2630QM	2.00	2.90	4GBx1	15.6" HD	LED	2.0M	Intel HD	500GB	BD burner	Intel 1000	Black	BT2.1	Prem 64	Jun 11
1024-9GU	i5-2410M	2.30	2.90	4GBx1	15.6" HD	LED	2.0M	Intel HD	750GB	DVD±RW	Intel 1000	Blue	BT2.1	Prem 64	Sep 11
1024-9JU	i7-2630QM	2.00	2.90	4GBx2	15.6" HD	LED	2.0M	Intel HD	750GB	DVD±RW	Intel 1000	Black	BT2.1	Prem 64	Sep 11
ES [†] 1024-ALU	i5-2430M	2.40	3.00	4+2GB	15.6" HD	LED	2.0M	Intel HD	750GB	DVD±RW	Intel 1000	Black	BT2.1	Prem 64	Dec 11
ES [†] 1024-AVU	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	2.0M	Intel HD	750GB	DVD±RW	Intel 1000	Black	BT2.1	Prem 64	Dec 11

- **15.6" widescreen, glossy display with LED backlight**
- **Integrated 0.3 or 2.0 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **SRS Premium Sound provides the ultimate audio experience for music, movies and games on the PC**
- **Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology</p> <p>Intel Core i5-2410M processor (dual-core, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology</p> <p>Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology</p> <p>Intel Core i7-2630QM processor (quad-core, 2.00 GHz, 6MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology</p> <p>Intel Core i7-2670QM processor (quad-core, 2.20 GHz, 6MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Genuine Windows® 7 Home Premium 64 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Lenovo DirectShare
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
SATA optical	<i>Some:</i> DVD burner, dual-layer support, 12.7mm high, tray-in	
SATA disk	<i>Some:</i> Blu-ray™ burner, Blu-ray and DVD disk recordable, 12.7mm, tray-in	
	320GB (5400 rpm), 500GB (5400 rpm), or 750GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 0.3-megapixel or 2.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	(WxDxH): 14.8" x 9.8" x 0.8" to 1.4"; 376mm x 250mm x 20mm to 35.5mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.73lb (2.6 kg)	
Case color	Gray, blue, or black top, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 5 hr	
Chipset	Mobile Intel HM65 Express Chipset	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	One PCIe Mini Card slot	
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000	
Bluetooth™	<i>Some:</i> Bluetooth 2.1 wireless + EDR, USB 2.0 interface	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / SRS® Premium Sound™, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	Hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	
		<p>Dual-core models: 65-watt AC adapter</p> <p>Quad-core models: 90-watt AC adapter</p> <p>Wireless on/off switch</p> <p>EPEAT™ Gold rating</p> <p>ENERGY STAR® 5.0-compliant</p> <p>RoHS-compliant</p>
		<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year warranty ↪ Mail In repair service ↪ Service upgrade options⁵⁸ (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information

ES[†] US models announced December 21, 2011; previous models on June 8, June 22, or September 1, 2011

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IdeaPad™ Z570 (1024) - Integrated (January 2012) - web only models

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Graphics	SATA disk GB ⁸ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload
1024-DDU	i5-2450M	2.50	3.10	4GBx2	15.6" HD	LED	2.0M	Intel HD	500GB 5400	DVD±RW	Intel 1000	Black	BT2.1	Prem 64
1024-DHU	i5-2450M	2.50	3.10	4GBx2	15.6" HD	LED	2.0M	Intel HD	500GB 5400	DVD±RW	Intel 1000	Gray	BT2.1	Prem 64
1024-D9U	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	2.0M	Intel HD	500GB 7200	DVD±RW	Intel 1000	Gunmetal gray	BT2.1	Prem 64
1024-DEU	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	2.0M	Intel HD	500GB 5400	DVD±RW	Intel 1000	Black	BT2.1	Prem 64
1024-DKU	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	2.0M	Intel HD	750GB 5400	DVD±RW	Intel 1000	Gray	BT2.1	Prem 64
1024-DJU	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	2.0M	Intel HD	500GB 5400	DVD±RW	Intel 1000	Gray	BT2.1	Prem 64
1024-DNU	B800	1.50		4GBx1	15.6" HD	LED	2.0M	Intel HD	1TB 5400	DVD±RW	Intel 1000	Gunmetal gray	BT2.1	Prem 64
1024-DQU	i7-2670QM	2.20	3.10	4GBx2	15.6" HD	LED	2.0M	Intel HD	1TB 5400	DVD±RW	Intel 1000	Gunmetal gray	BT2.1	Prem 64

- 15.6" widescreen, glossy display with LED backlight
- Integrated 0.3 or 2.0 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- SRS Premium Sound provides the ultimate audio experience for music, movies and games on the PC
- Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Celeron® B800 processor (dual-core, 1.50GHz, 2MB cache), DDR3 memory controller (up to 1333MHz) Intel Core™ i5-2450M processor (dual-core, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i7-2670QM processor (quad-core, 2.20GHz, 6MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications ¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Lenovo DirectShare
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in	
SATA disk	500GB (5400 rpm), 500GB (7200 rpm), 750GB (5400 rpm), or 1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 0.3-megapixel or 2.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	(WxDxH): 14.8" x 9.8" x 0.8" to 1.4"; 376mm x 250mm x 20mm to 35.5mm	Dual-core models: 65-watt AC adapter Quad-core models: 90-watt AC adapter
Weight ²	with optical drive and battery: 6-cell: 5.73lb (2.6 kg)	Wireless on/off switch
Case color	Gray, blue, or black top, black bottom	EPEAT™ Gold rating
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	ENERGY STAR® 5.0-compliant
Battery - type	Lithium Ion 6-cell	RoHS-compliant
Battery - life ¹⁰	Up to 5 hr	
Chipset	Mobile Intel HM65 Express Chipset	Limited Warranty ¹²
ExpressCard/34	None	↪ 1-year warranty
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	↪ Mail in repair service
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	↪ Service upgrade options ⁵⁸ (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair ¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair ¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538
TV tuner	None	↪ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
PCIe Mini Card	One PCIe Mini Card slot	
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000	
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / SRS® Premium Sound™, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	Hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information

US model(s) announced May 17, 2012; previous models on January 18 or February 29, 2012

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IdeaPad™ Z570 (1024) - NVIDIA (Windows 7)

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload
1024-3ZU	i5-2410M	2.30	2.90	4+2GB	15.6" HD	LED	0.3M	GT 520M	750GB ⁸	Blu-ray	Intel 1000	Gunmetal gray	BT2.1	Prem 64

- 15.6" widescreen, glossy display with LED backlight
- Integrated 0.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- SRS Premium Sound provides the ultimate audio experience for music, movies and games on the PC
- Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- This system is Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i5-2410M processor (dual-core, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology										Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64			
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets										Preloaded applications¹⁴ (only some listed)			
Diskette drive	None										<ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW, Blu-ray) • Cyberlink PowerDVD (Blu-ray) • Lenovo DirectShare 			
SATA optical	Blu-ray™ burner, Blu-ray and DVD disk recordable, 12.7mm, tray-in													
SATA disk	750GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high													
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio													
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, LED indicator													
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 in processor, and NVIDIA GeForce® GT 520M , PCI Express® x16, 1GB DDR3 memory, DirectX® 11, NVIDIA CUDA™ technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector													
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key													
Numeric keypad	Numeric keypad on right of keyboard													
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control													
Light sensor	None													
Touch pad	One-piece touch pad with scroll feature, multi-touch													
Dimensions ³	<i>(WxDxH)</i> : 14.8" x 9.8" x 0.8" to 1.4"; 376mm x 250mm x 20mm to 35.5mm										90-watt AC adapter Wireless on/off switch Graphic Optimus/Integrated switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant			
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.73lb (2.6 kg)													
Case color	Gray or gunmetal gray top, black bottom													
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic													
Battery - type	Lithium Ion 6-cell													
Battery - life ¹⁰	Up to 4.5 hr													
Chipset	Mobile Intel HM65 Express Chipset										Limited Warranty¹² ⇨ 1-year warranty ⇨ Mail In repair service ⇨ Service upgrade options⁵⁸ (in eligible locations): ⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686			
ExpressCard/34	None													
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)													
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)													
TV tuner	None													
PCIe Mini Card	One PCIe Mini Card slot													
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000													
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface													
Modem	None													
Ethernet	10/100M ethernet, Realtek® RTL8105E													
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / SRS® Premium Sound™, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)													
Security	Hard disk password, supervisor password, security lockhole													
Fingerprint reader	None													

See footnotes for important warranty information
US model announced July 6, 2011

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(LIQR1-3) July 2011

IdeaPad™ Z570 (1024) - NVIDIA (web only models)

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload
1024-9HU	i5-2410M	2.30	2.90	4GBx2	15.6" HD	LED	2.0M	GT 540M	750GB ⁸	DVD±RW	Intel 1000	Gunmetal gray	BT2.1	Prem 64
1024-AKU	i5-2430M	2.40	3.00	4GBx2	15.6" HD	LED	2.0M	GT 540M	750GB	DVD±RW	Intel 1000	Gunmetal gray	BT2.1	Prem 64
1024-AFU	i5-2450M	2.50	3.10	4GBx2	15.6" HD	LED	2.0M	GT 540M	750GB	DVD±RW	Intel 1000	Gunmetal gray	BT2.1	Prem 64

- 15.6" widescreen, glossy display with LED backlight
- Integrated 0.3 or 2.0 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- SRS Premium Sound provides the ultimate audio experience for music, movies and games on the PC
- Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- This system is Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Core™ i5-2410M processor (dual-core, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology</p> <p>Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology</p> <p>Intel Core i5-2450M processor (dual-core, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology</p>											<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Genuine Windows® 7 Home Premium 64 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW, Blu-ray) • Lenovo DirectShare
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets											
Diskette drive	None											
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in											
SATA disk	750GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high											
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio											
Camera	Camera on top of screen, 0.3-megapixel or 2.0-megapixel, fixed focus, LED indicator											
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 in processor, and NVIDIA GeForce® GT 540M , PCI Express® x16, 1GB DDR3 memory, DirectX® 11, NVIDIA CUDA™ technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector											
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key											
Numeric keypad	Numeric keypad on right of keyboard											
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control											
Light sensor	None											
Touch pad	One-piece touch pad with scroll feature, multi-touch											
Dimensions ³	(WxDxH): 14.8" x 9.8" x 0.8" to 1.4"; 376mm x 250mm x 20mm to 35.5mm											<p>90-watt AC adapter</p> <p>Wireless on/off switch</p> <p>Graphic Optimus/Integrated switch</p> <p>EPEAT™ Gold rating</p> <p>ENERGY STAR® 5.0-compliant</p> <p>RoHS-compliant</p>
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.73lb (2.6 kg)											
Case color	Gunmetal gray top, black bottom											
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic											
Battery - type	Lithium Ion 6-cell											
Battery - life ¹⁰	Up to 4.5 hr											
Chipset	Mobile Intel HM65 Express Chipset											<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year warranty ↪ Mail in repair service ↪ Service upgrade options⁵⁸ (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
ExpressCard/34	None											
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)											
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)											
TV tuner	None											
PCIe Mini Card	One PCIe Mini Card slot											
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000											
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface											
Modem	None											
Ethernet	10/100M ethernet, Realtek® RTL8105E											
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / SRS® Premium Sound™, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)											
Security	Hard disk password, supervisor password, security lockhole											
Fingerprint reader	None											

See footnotes for important warranty information

US model(s) announced May 17, 2012; previous models on September 1 or December 21, 2011

© Lenovo (LIQR1-4) May 2012

IdeaPad™ Z575 (1299) - Integrated

Personal Systems Reference (PSREF)

Type-model	Processor	Base (GHz)	Max (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk GB rpm	Optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload
1299-22U	A4-3300M	1.90	2.50	2GBx2	15.6" HD	LED	0.3M	HD 6480G	500G 5400	DVD±RW	11b/g/n	Gunmetal gray		Prem 64
1299-25U	A6-3400M	1.40	2.30	2+4GB	15.6" HD	LED	0.3M	HD 6520G	750G 5400	DVD±RW	11b/g/n	Gunmetal gray		Prem 64
1299-27U	A8-3500M	1.50	2.40	2+4GB	15.6" HD	LED	0.3M	HD 6620G	750G 5400	DVD±RW	11b/g/n	Gunmetal gray	BT.2.1	Prem 64
1299-2JU	A4-3305M	1.90	2.50	4GBx1	15.6" HD	LED	0.3M	HD 6480G	500G 5400	DVD±RW	11b/g/n	Gunmetal gray		Prem 64
1299-2DU	A6-3420M	1.50	2.40	4GBx1	15.6" HD	LED	0.3M	HD 6520G	500G 5400	DVD±RW	11b/g/n	Gunmetal gray		Prem 64
1299-2KU	A8-3520M	1.60	2.50	2+4GB	15.6" HD	LED	0.3M	HD 6620G	500G 5400	DVD±RW	11b/g/n	Gunmetal gray	BT.2.1	Prem 64

- 15.6" widescreen, glossy display with LED backlight
- Integrated 0.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- SRS Premium Sound provides the ultimate audio experience for music, movies and games on the PC
- Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>AMD Accelerated Processor A4-3300M (dual-core, 1.90GHz, 2MB L2 cache), integrated AMD Radeon™ HD 6480G Graphics, AMD Turbo Core technology (Up to 2.50GHz), integrated DDR3 memory controller (up to 1333MHz)</p> <p>AMD Accelerated Processor A4-3305M (dual-core, 1.90GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6480G Graphics, AMD Turbo Core technology (Up to 2.50GHz), integrated DDR3 memory controller (up to 1333MHz)</p> <p>AMD Accelerated Processor A6-3400M (quad-core, 1.40GHz, 4MB L2 cache), integrated AMD Radeon HD 6520G Graphics, AMD Turbo Core technology (Up to 2.30GHz), integrated DDR3 memory controller (up to 1333MHz)</p> <p>AMD Accelerated Processor A6-3420M (quad-core, 1.50GHz, 4MB L2 cache), integrated AMD Radeon HD 6520G Graphics, AMD Turbo Core technology (Up to 2.40GHz), integrated DDR3 memory controller (up to 1333MHz)</p> <p>AMD Accelerated Processor A8-3500M (quad-core, 1.50GHz, 4MB L2 cache), integrated AMD Radeon HD 6620G Graphics, AMD Turbo Core technology (Up to 2.40GHz), integrated DDR3 memory controller (up to 1333MHz)</p> <p>AMD Accelerated Processor A8-3520M (quad-core, 1.60GHz, 4MB L2 cache), integrated AMD Radeon HD 6620G Graphics, AMD Turbo Core technology (Up to 2.50GHz), integrated DDR3 memory controller (up to 1333MHz)</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Genuine Windows® 7 Home Premium 64 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW)
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
Optical	DVD burner, dual-layer support, 12.7mm high, tray-in	
SATA disk	500GB (5400 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, LED indicator	
Graphics	AMD Radeon HD Graphics , in processor, use system memory; External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	(WxDxH): 14.8" x 9.8" x 0.8" to 1.4"; 376mm x 250mm x 20mm to 35.5mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.73lb (2.6 kg)	
Case color	Gunmetal gray top, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 5 hr	65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Chipset	AMD A60M FCH	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	Limited Warranty¹²
TV tuner	None	
PCIe Mini Card	One PCIe Mini Card slot	
11b/g/n	11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® or Atheros® chip	
Bluetooth™	<i>Some:</i> Bluetooth 2.1 wireless + EDR, USB 2.0 interface	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / SRS® Premium Sound™, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	<ul style="list-style-type: none"> ↪ 1-year warranty ↪ Mail in repair service ↪ Service upgrade options⁵⁸ (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Security	Hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information

US model(s) announced February 29, 2012; previous models on July 20 or November 2, 2011

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IdeaPad™ Z575 (1299) - Integrated (web only models)

Personal Systems Reference (PSREF)

Type-model	Processor	Base (GHz)	Max (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk GB rpm	Optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload
1299-32U	E2-3000M	1.80	2.40	2GBx1	15.6" HD	LED	0.3M HD	6380G	320G 7200	DVD±RW	11b/g/n	Gunmetal gray	None	Prem 64
1299-33U	A4-3300M	1.90	2.50	4GBx1	15.6" HD	LED	0.3M HD	6480G	500G 5400	DVD±RW	11b/g/n	Gunmetal gray	None	Prem 64
1299-34U	A6-3400M	1.40	2.30	4GBx1	15.6" HD	LED	0.3M HD	6520G	750G 5400	DVD±RW	11b/g/n	Gunmetal gray	None	Prem 64
1299-36U	A4-3300M	1.90	2.50	4+2GB	15.6" HD	LED	0.3M HD	6480G	750G 5400	DVD±RW	11b/g/n	Gunmetal gray	None	Prem 64
1299-37U	A4-3300M	1.90	2.50	4+2GB	15.6" HD	LED	0.3M HD	6480G	500G 5400	DVD±RW	11b/g/n	Gunmetal gray	None	Prem 64

- 15.6" widescreen, glossy display with LED backlight
- Integrated 0.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- SRS Premium Sound provides the ultimate audio experience for music, movies and games on the PC
- Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle AMD Accelerated Processor E2-3000M (dual-core, 1.80GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6380G Graphics, AMD Turbo Core technology (Up to 2.40GHz), integrated DDR3 memory controller (up to 1333MHz) AMD Accelerated Processor A4-3300M (dual-core, 1.90GHz, 2MB L2 cache), integrated AMD Radeon HD 6480G Graphics, AMD Turbo Core technology (Up to 2.50GHz), integrated DDR3 memory controller (up to 1333MHz) AMD Accelerated Processor A6-3400M (quad-core, 1.40GHz, 4MB L2 cache), integrated AMD Radeon HD 6520G Graphics, AMD Turbo Core technology (Up to 2.30GHz), integrated DDR3 memory controller (up to 1333MHz)	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications ¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW)
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Diskette drive	None	
Optical	DVD burner, dual-layer support, 12.7mm high, tray-in	
SATA disk	320GB (7200 rpm), 500GB (5400 rpm), or 750GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, LED indicator	
Graphics	<i>Some:</i> AMD Radeon HD 6380G Graphics , in E2-3000M, DirectX® 11, use system memory; <i>Some:</i> AMD Radeon HD 6480G Graphics , in A4-3300M, DirectX 11, use system memory; <i>Some:</i> AMD Radeon HD 6520G Graphics , in A6-3400M, DirectX 11, use system memory; External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad with scroll feature, multi-touch	
Dimensions ³	(WxDxH): 14.8" x 9.8" x 0.8" to 1.4"; 376mm x 250mm x 20mm to 35.5mm	
Weight ²	with optical drive and battery: <i>6-cell</i> : 5.73lb (2.6 kg)	
Case color	Gunmetal gray top, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 5 hr	65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Chipset	AMD A60M FCH	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	Limited Warranty ¹² ↪ 1-year warranty ↪ Mail In repair service ↪ Service upgrade options ⁵⁸ (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair ¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair ¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	One PCIe Mini Card slot 11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® or Atheros® chip	
Bluetooth™	None	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / SRS® Premium Sound™, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	Hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information

US models announced February 29, 2012; previous models on July 20, 2011

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Lenovo IdeaPad Z580 (Graphite gray)



Lenovo IdeaPad Z580 (Graphite gray)



Lenovo IdeaPad Z580 (Enamel white)



Lenovo IdeaPad Z580 (Cherry red)



Lenovo IdeaPad Z580 (Graphite gray)



Lenovo IdeaPad Z580 (Enamel white)

IdeaPad™ Z580 (2151) - Integrated

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Graphics	SATA disk GB ² rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date (mm/yy)
2151-23U	i3-2370M	2.40		4GBx1	15.6" HD	LED	720p	Intel HD 3000	750G 5400	DVD±RW	Intel 2200	Graphite gray		Prem 64	08/12
2151-26U	i3-3110M	2.40		4+2GB	15.6" HD	LED	720p	Intel HD 4000	750G 5400	DVD±RW	Intel 2200	Graphite gray	BT	Prem 64	08/12
2151-27U	i5-3210M	2.50	3.10	4+2GB	15.6" HD	LED	720p	Intel HD 4000	750G 5400	DVD±RW	Intel 2200	Graphite gray	BT	Prem 64	08/12
2151-29U	i7-3520M	2.90	3.60	4GBx1	15.6" HD	LED	720p	Intel HD 4000	500G 5400	DVD±RW	Intel 2200	Graphite gray	BT	Prem 64	08/12

- **15.6" widescreen, glossy display with LED backlight**
- **Integrated HD 720p megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Intelligent Touchpad – large touchpad with easy scroll, zoom and rotate functions**
- **Dolby Home Theater v4 audio enhancement with two stereo speakers**
- **Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Core™ i3-2370M processor (2 cores / 4 threads, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), integrated Intel HD Graphics 3000</p> <p>Intel Core i3-3110M processor (2 cores / 4 threads, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i5-3210M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i7-3520M processor (2 cores / 4 threads, 2.90 GHz, 4MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.60GHz), integrated Intel HD Graphics 4000</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Genuine Windows® 7 Home Premium 64 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • ooVoo™ • PokeTALK • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW models, Blu-ray models) • Cyberlink PowerDVD (Blu-ray models)
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
SATA optical	<i>Some:</i> DVD burner, dual-layer support, 12.7mm high, tray-in <i>Some:</i> Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in	
SATA disk	500GB (5400 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad, supports multi-touch	
Dimensions ³	<i>Aluminium top (WxDxH):</i> 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 32.7mm to 34.3mm <i>PC/ABS top (WxDxH):</i> 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 33.2mm to 34.8mm	
Weight ²	with optical drive and battery: <i>6-cell:</i> 5.84 lb (2.65 kg)	
Case color	Graphite gray, enamel white, or cherry red top, black bottom	
Case material	<i>Top:</i> Aluminium (gray models) or PC/ABS (white or red models); <i>Bottom:</i> PC/ABS	<p><i>Integrated models:</i> 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant</p>
Battery - type	Lithium Ion 6-cell, 48Wh	
Battery - life ¹⁰	<i>Integrated models:</i> up to 6 hr	
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Two USB 2.0 and two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	One PCIe Mini Card slot	
Intel 2200	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200	
Bluetooth™	<i>Some:</i> Bluetooth wireless	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	Power on password, Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year warranty ↪ Mail in repair service ↪ Service upgrade options⁵⁸ (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
US model(s) announced August 17, 2012

Part number	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Graphics	SATA disk GB ² rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win8 preload	Avail date (mm/yy)
59345252	i3-3110M	2.40		4GBx1	15.6" HD	LED	720p	Intel HD 4000	750G	5400 DVD±RW	Intel 2200	Graphite gray		Win8 64	11/12
59350984	i5-3210M	2.50	3.10	4+2GB	15.6" HD	LED	720p	Intel HD 4000	500G	5400 DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	11/12
59345246	i5-3210M	2.50	3.10	4+2GB	15.6" HD	LED	720p	Intel HD 4000	1TB	5400 DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	11/12
59345254	i5-3210M	2.50	3.10	4GBx2	15.6" HD	LED	720p	Intel HD 4000	750G	5400 DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	11/12
59352501	i5-3210M	2.50	3.10	4GBx2	15.6" HD	LED	720p	Intel HD 4000	750G	5400 DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	11/12
59345242	i7-3520M	2.90	3.60	4GBx1	15.6" HD	LED	720p	Intel HD 4000	500G	5400 DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	11/12
59345245	i7-3520M	2.90	3.60	4+2GB	15.6" HD	LED	720p	Intel HD 4000	750G	5400 DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	11/12
59345249	i7-3520M	2.90	3.60	4GBx2	15.6" HD	LED	720p	Intel HD 4000	1TB	5400 DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	11/12
59358459	i5-3230M	2.60	3.20	4+2GB	15.6" HD	LED	720p	Intel HD 4000	1TB	5400 DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	03/13

- 15.6" widescreen, glossy display with LED backlight
- Integrated HD 720p megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Dolby Home Theater v4 audio enhancement with two stereo speakers
- Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3-3110M processor (2 cores / 4 threads, 2.40GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i5-3210M processor (2 cores / 4 threads, 2.50GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), integrated Intel HD Graphics 4000 Intel Core i5-3230M processor (2 cores / 4 threads, 2.60GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), integrated Intel HD Graphics 4000 Intel Core i7-3520M processor (2 cores / 4 threads, 2.90 GHz, 4MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.60GHz), integrated Intel HD Graphics 4000	Preloaded operating system ²⁰ - Windows® 8 64-bit Preloaded applications ¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo OneKey Theater • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in	
SATA disk	500GB (5400 rpm), 750GB (5400 rpm), or 1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad, supports multi-touch	
Dimensions ³	<i>Aluminium top (WxDxH):</i> 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 32.7mm to 34.3mm <i>PC/ABS top (WxDxH):</i> 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 33.2mm to 34.8mm	
Weight ²	with optical drive and battery: <i>6-cell:</i> 5.84 lb (2.65 kg)	
Case color	Graphite gray, enamel white, or cherry red top, black bottom	
Case material	<i>Top:</i> Aluminium (gray models) or PC/ABS (white or red models); <i>Bottom:</i> PC/ABS	<i>Integrated models:</i> 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant
Battery - type	Lithium Ion 6-cell, 48Wh	
Battery - life ¹⁰	<i>Integrated models:</i> up to 6 hr	
Chipset	Mobile Intel HM76 Express Chipset	Limited Warranty ¹²
ExpressCard/34	None	↪ 1-year warranty
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	↪ Mail in repair service
Ports	Two USB 2.0 and two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	↪ Service upgrade options ⁵⁸ (in eligible locations): ⁹
TV tuner	None	• 1-year Lenovo Onsite Repair ¹³ 78Y1532
PCIe Mini Card	One PCIe Mini Card slot	• 1-year Onsite with accidental damage protection 78Y1533
Intel 2200	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200	• 2-year Lenovo Onsite Repair ¹³ 78Y1536
Bluetooth™	<i>Some:</i> Bluetooth 4.0 wireless	• 3-year Lenovo Depot Repair 78Y1538
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
Security	Power on password, Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information

US model(s) announced March 6, 2013; previous model(s) on November 28, 2012

IdeaPad™ Z580 (2151) - Integrated (web only models)

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	Max turbo GHz (GHz)	Memory	Widescreen or display	CCFL or LED	Cam-era	Graphics	SATA disk GB ³ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date (mm/yy)
2151-37U	i3-2370M	2.40	4+2GB	15.6" HD	LED	720p	Intel HD 3000	500G 5400	DVD±RW	Intel 2200	Graphite gray	BT	Prem 64	06/12
2151-4AU	i3-2370M	2.40	4+2GB	15.6" HD	LED	720p	Intel HD 3000	1TB 5400	DVD±RW	Intel 2200	Graphite gray	BT	Prem 64	06/12
2151-4CU	i5-2450M	2.50 3.10	4+2GB	15.6" HD	LED	720p	Intel HD 3000	1TB 5400	DVD±RW	Intel 2200	Graphite gray	BT	Prem 64	06/12
2151-3JU	i7-3612QM	2.10 3.10	4GBx2	15.6" HD	LED	720p	Intel HD 4000	750G 5400	DVD±RW	Intel 2200	Graphite gray	BT	Prem 64	06/12
2151-4EU	i7-3612QM	2.10 3.10	4GBx2	15.6" HD	LED	720p	Intel HD 4000	1TB 5400	Blu-ray	Intel 2200	Graphite gray	BT	Prem 64	06/12
2151-4FU	i7-3612QM	2.10 3.10	4GBx2	15.6" HD	LED	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2200	Graphite gray	BT	Prem 64	06/12
2151-35U	i3-3110M	2.40	4+2GB	15.6" HD	LED	720p	Intel HD 4000	500G 7200	DVD±RW	Intel 2200	Graphite gray	BT	Prem 64	08/12
2151-3LU	i5-3210M	2.50 3.10	4+2GB	15.6" HD	LED	720p	Intel HD 4000	500G 7200	DVD±RW	Intel 2200	Cherry red	BT	Prem 64	08/12
2151-3FU	i5-3210M	2.50 3.10	4GBx2	15.6" HD	LED	720p	Intel HD 4000	750G 5400	DVD±RW	Intel 2200	Graphite gray	BT	Prem 64	08/12
2151-4DU	i5-3210M	2.50 3.10	4GBx2	15.6" HD	LED	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2200	Graphite gray	BT	Prem 64	08/12

- 15.6" widescreen, glossy display with LED backlight
- Integrated HD 720p megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Intelligent Touchpad – large touchpad with easy scroll, zoom and rotate functions
- Dolby Home Theater v4 audio enhancement with two stereo speakers
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	<p>Widescreen flexibility; two-spindle</p> <p>Intel® Core™ i3-2370M processor (2 cores / 4 threads, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), integrated Intel HD Graphics 3000</p> <p>Intel Core i3-3110M processor (2 cores / 4 threads, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i5-2450M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), integrated Intel HD Graphics 3000</p> <p>Intel Core i5-3210M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i7-3612QM processor (4 cores / 8 threads, 2.10 GHz, 6MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.10GHz), integrated Intel HD Graphics 4000</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Genuine Windows® 7 Home Premium 64 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • ooVoo™ • PokeTALK • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW models, Blu-ray models) • Cyberlink PowerDVD (Blu-ray models)
Memory	<p>8GB max⁷; PC3-12800 1600MHz DDR3*, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets</p> <p>* System automatically clocks down for processors with 1333MHz DDR3 memory controller</p>	
Diskette drive	None	
SATA optical	<p>Some: DVD burner, dual-layer support, 12.7mm high, tray-in</p> <p>Some: Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in</p>	
SATA disk	<p>500GB (5400 rpm), 500GB (7200 rpm), 750GB (5400 rpm), or 1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high</p>	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
Widescreen display	<p>15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio</p>	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	<p>Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, External monitor support via analog VGA DB-15 connector / digital HDMI connector</p>	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad, supports multi-touch	
Dimensions ³	<p>Aluminium top (WxDxH): 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 32.7mm to 34.3mm</p> <p>PC/ABS top (WxDxH): 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 33.2mm to 34.8mm with optical drive and battery: 6-cell: 5.84 lb (2.65 kg)</p>	
Weight ²		
Case color	Graphite gray, enamel white, or cherry red top, black bottom	
Case material	<p>Top: Aluminium (gray models) or PC/ABS (white or red models);</p> <p>Bottom: PC/ABS</p>	<p><i>Integrated models:</i> 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant</p>
Battery - type	Lithium Ion 6-cell, 48Wh	
Battery - life ¹⁰	<i>Integrated models:</i> up to 6 hr	
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Two USB 2.0 and two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year warranty ↪ Mail In repair service ↪ Service upgrade options⁵⁸ (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner	None	
PCIe Mini Card	One PCIe Mini Card slot	
Intel 2200	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200	
Bluetooth™	Bluetooth wireless	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	Power on password, Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information

US model(s) announced August 17, 2012; previous model(s) on June 6, 2012

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IdeaPad™ Z580 (Integrated) - Windows 8 (web only models)

Personal Systems Reference (PSREF)

Type-model / Part number	Pro-cessor	Max turbo GHz (GHz)	Memory	Widescreen or display	CCFL or LED	Cam-era	Graphics	SATA disk GB ³ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win8 preload	Avail date (mm/yy)
2151-63U	i3-3110M	2.40	4GBx1	15.6" HD	LED	720p	Intel HD 4000	500G 5400	DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	11/12
2151-64U	i3-3110M	2.40	4GBx1	15.6" HD	LED	720p	Intel HD 4000	500G 5400	DVD±RW	Intel 2200	Enamel white	BT4.0	Win8 64	11/12
2151-67U	i5-3210M	2.50 3.10	4GBx2	15.6" HD	LED	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	11/12
2151-68U	i7-3520M	2.90 3.60	4GBx2	15.6" HD	LED	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	11/12
2151-6HU	i7-3632QM	2.20 3.20	4GBx2	15.6" HD	LED	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	11/12
2151-65U	i5-3210M	2.50 3.10	4+2GB	15.6" HD	LED	720p	Intel HD 4000	500G 5400	DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	12/12
59365428	i7-3632QM	2.20 3.20	4GBx2	15.6" HD	LED	720p	Intel HD 4000	1TB 5400	Blu-ray	Intel 2200	Graphite gray	BT4.0	Win8 64	01/13
59371483	i5-3230M	2.60 3.20	4GBx2	15.6" HD	LED	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	03/13
59345246	i5-3210M	2.50 3.10	4+2GB	15.6" HD	LED	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	04/13
59371490	i5-3230M	2.60 3.20	4+2GB	15.6" HD	LED	720p	Intel HD 4000	500G 5400	DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	06/13

- **15.6" widescreen, glossy display with LED backlight**
- **Integrated HD 720p megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby Home Theater v4 audio enhancement with two stereo speakers**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Core™ i3-3110M processor (2 cores / 4 threads, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i5-3210M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i5-3230M processor (2 cores / 4 threads, 2.60GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i7-3520M processor (2 cores / 4 threads, 2.90GHz, 4MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.60GHz), integrated Intel HD Graphics 4000</p> <p>Intel Core i7-3632QM processor (4 cores / 8 threads, 2.20GHz, 6MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.20GHz), integrated Intel HD Graphics 4000</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Windows® 8 64-bit <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo OneKey Theater • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management • Cyberlink Power2Go (DVD±RW models, Blu-ray models) • Cyberlink PowerDVD (DVD±RW models, Blu-ray models) • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Memory	<p>8GB max⁷; PC3-12800 1600MHz DDR3*, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets</p> <p>* System automatically clocks down for processors with 1333MHz DDR3 memory controller</p>	
Diskette drive	None	
SATA optical	<p><i>Some:</i> DVD burner, dual-layer support, 12.7mm high, tray-in</p> <p><i>Some:</i> Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in</p>	
SATA disk	500GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control	
Light sensor	None	
Touch pad	One-piece touch pad, supports multi-touch	
Dimensions ³	<i>Aluminium top (WxDxH):</i> 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 32.7mm to 34.3mm <i>PC/ABS top (WxDxH):</i> 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 33.2mm to 34.8mm with optical drive and battery: <i>6-cell:</i> 5.84 lb (2.65 kg)	
Weight ²	Graphite gray, enamel white, or cherry red top, black bottom	
Case color	<i>Top:</i> Aluminium (gray models) or PC/ABS (white or red models); <i>Bottom:</i> PC/ABS	
Case material	Lithium Ion 6-cell, 48Wh	
Battery - type	<i>Integrated models:</i> up to 6 hr	<p><i>Integrated models:</i> 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant</p>
Battery - life ¹⁰		
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Two USB 2.0 and two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year warranty ↪ Mail In repair service ↪ Service upgrade options⁶⁸ (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner	None	
PCIe Mini Card	One PCIe Mini Card slot	
Intel 2200 ²⁰	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200	
Bluetooth™	Bluetooth 4.0 wireless	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	Power on password, Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information

☞ US model(s) announced June 5, 2013;

☞ previous model(s) on November 28 or December 13, 2012 or January 30, March 27, or April 17, 2013

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IdeaPad™ Z580 (2151) - Integrated (Linpus) - web only models

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	Max turbo GHz (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Graphics	SATA disk GB ² rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Preload	Avail date (mm/yy)
2151-34U	i3-3110M	2.40	None	4GBx1	15.6" HD	LED 720p	Intel HD 4000	500G 5400	DVD±RW	Intel 2200	Graphite gray	BT	Linpus	08/12

- **15.6" widescreen, glossy display with LED backlight**
- **Integrated HD 720p megapixel camera**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i3-3110M processor (2 cores / 4 threads, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000										Preloaded operating system²⁰ - Linpus™ Linux			
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller										Preloaded applications¹⁴ (only some listed) Entertainment and browser			
Diskette drive	None										• Mozilla Firefox 8			
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in										• Moive Player			
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high										• Webcam			
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset										• Games			
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio										Social network and mail			
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator										• Empathy			
Graphics	Intel HD Graphics 4000 in processor, External monitor support via analog VGA DB-15 connector / digital HDMI connector										• Evolution			
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key										Productivity			
Numeric keypad	Numeric keypad on right of keyboard										• LibreOffice.org 3.4			
Touch controls	Touch-sensitive buttons for mute, volume up, volume down										• Adobe Reader			
Light sensor	None										System tool and others			
Touch pad	One-piece touch pad										• Linpus online update			
Dimensions ³	<i>Aluminium top (WxDxH):</i> 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 32.7mm to 34.3mm <i>PC/ABS top (WxDxH):</i> 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 33.2mm to 34.8mm with optical drive and battery: <i>6-cell:</i> 5.84 lb (2.65 kg)										• Launch Manager			
Weight ²											• Network Manager			
Case color	Graphite gray, enamel white, or cherry red top, black bottom										• System Monitor			
Case material	<i>Top:</i> Aluminium (gray models) or PC/ABS (white or red models); <i>Bottom:</i> PC/ABS										• System Setting			
Battery - type	Lithium Ion 6-cell, 48Wh										<i>Integrated models:</i> 65-watt AC adapter			
Battery - life ¹⁰	<i>Integrated models:</i> up to 6 hr										RoHS-compliant			
Chipset	Mobile Intel HM76 Express Chipset										Limited Warranty¹²			
ExpressCard/34	None										⇨ 1-year warranty			
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)										⇨ Mail In repair service			
Ports	Two USB 2.0 and two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)										⇨ Service upgrade options⁵⁸ (in eligible locations):⁹			
TV tuner	None										• 1-year Lenovo Onsite Repair¹³ 78Y1532			
PCIe Mini Card	One PCIe Mini Card slot										• 1-year Onsite with accidental damage protection 78Y1533			
Intel 2200	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200										• 2-year Lenovo Onsite Repair¹³ 78Y1536			
Bluetooth™	Bluetooth wireless										• 3-year Lenovo Depot Repair 78Y1538			
Modem	None										⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686			
Ethernet	10/100M ethernet, Realtek® RTL8105E													
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / enhancement, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)													
Security	Power on password, Hard disk password, administrator password, security lockhole													
Fingerprint reader	None													

See footnotes for important warranty information
US model(s) announced August 17, 2012

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(LIQR2-3) August 2012

IdeaPad™ Z580 (2151) - Discrete

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	Max turbo GHz	Memory	Widescreen display	CCFL or LED	Cam-era	Graphics	SATA disk GB ² rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date (mm/yy)
2151-2MU	i5-3210M	2.50	3.10 4+2GB	15.6" HD	LED	720p	GT 630M 1G	500G 5400	DVD±RW	Intel 2200	Graphite gray	BT	Prem 64	10/12

- **15.6" widescreen, glossy display with LED backlight**
- **Integrated HD 720p megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Intelligent Touchpad – large touchpad with easy scroll, zoom and rotate functions**
- **Dolby Home Theater v4 audio enhancement with two stereo speakers**
- **Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i5-3210M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), integrated Intel HD Graphics 4000										Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64			
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller										Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • ooVoo™ • PokeTALK • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW models, Blu-ray models) • Cyberlink PowerDVD (Blu-ray models)			
Diskette drive	None										Discrete models: 90-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant			
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in													
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high													
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset													
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio													
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator													
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, and NVIDIA GeForce® GT 630M Graphics , PCI Express® x16, 1GB DDR3, DirectX® 11, external monitor support via analog VGA DB-15 connector / digital HDMI connector													
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key													
Numeric keypad	Numeric keypad on right of keyboard													
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control													
Light sensor	None													
Touch pad	One-piece touch pad, supports multi-touch													
Dimensions ³	<i>Aluminium top (WxDxH):</i> 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 32.7mm to 34.3mm <i>PC/ABS top (WxDxH):</i> 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 33.2mm to 34.8mm										Limited Warranty¹² ↪ 1-year warranty ↪ Mail In repair service ↪ Service upgrade options⁵⁸ (in eligible locations):⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686			
Weight ²	with optical drive and battery: <i>6-cell:</i> 5.84 lb (2.65 kg)													
Case color	Graphite gray, enamel white, or cherry red top, black bottom													
Case material	<i>Top:</i> Aluminium (gray models) or PC/ABS (white or red models); <i>Bottom:</i> PC/ABS													
Battery - type	Lithium Ion 6-cell, 48Wh													
Battery - life ¹⁰	<i>Integrated models:</i> up to 6 hr													
Chipset	Mobile Intel HM76 Express Chipset													
ExpressCard/34	None													
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)													
Ports	Two USB 2.0 and two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)													
TV tuner	None													
PCIe Mini Card	One PCIe Mini Card slot													
Intel 2200	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200													
Bluetooth™	Bluetooth wireless													
Modem	None													
Ethernet	10/100M ethernet, Realtek® RTL8105E													
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)													
Security	Power on password, Hard disk password, administrator password, security lockhole													
Fingerprint reader	None													

See footnotes for important warranty information
US model(s) announced October 24, 2012

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(LIQR2-4) October 2012

IdeaPad™ Z580 (Discrete) - Windows 8

Personal Systems Reference (PSREF)

Part number	Pro-cessor	Max turbo GHz	Memory	Widescreen display	CCFL or LED	Cam-era	Graphics	SATA disk GB ² rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win8 preload	Avail date (mm/yy)
59347636	i5-3210M	2.50	3.10 4+2GB	15.6" HD	LED	720p	GT 635M 1G	500G 5400	DVD±RW	Intel 2200	Graphite gray	BT4.0	Win8 64	11/12

- **15.6" widescreen, glossy display with LED backlight**
- **Integrated HD 720p megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby Home Theater v4 audio enhancement with two stereo speakers**
- **Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i5-3210M processor (2 cores / 4 threads, 2.50GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), integrated Intel HD Graphics 4000										Preloaded operating system ²⁰ - Windows® 8 64-bit			
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller										Preloaded applications ¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo OneKey Theater • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype			
Diskette drive	None													
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in													
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high													
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset													
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio													
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator													
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 in processor, and NVIDIA GeForce® GT 635M Graphics , PCI Express® x16, 1GB DDR3, DirectX® 11, external monitor support via analog VGA DB-15 connector / digital HDMI connector													
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key													
Numeric keypad	Numeric keypad on right of keyboard													
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and Smart noise control													
Light sensor	None													
Touch pad	One-piece touch pad, supports multi-touch													
Dimensions ³	<i>Aluminium top (WxDxH):</i> 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 32.7mm to 34.3mm <i>PC/ABS top (WxDxH):</i> 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 33.2mm to 34.8mm													
Weight ²	with optical drive and battery: <i>6-cell:</i> 5.84 lb (2.65 kg)													
Case color	Graphite gray, enamel white, or cherry red top, black bottom													
Case material	<i>Top:</i> Aluminium (gray models) or PC/ABS (white or red models); <i>Bottom:</i> PC/ABS													
Battery - type	Lithium Ion 6-cell, 48Wh													
Battery - life ¹⁰	<i>Integrated models:</i> up to 6 hr													
Chipset	Mobile Intel HM76 Express Chipset													
ExpressCard/34	None													
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)													
Ports	Two USB 2.0 and two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)													
TV tuner	None													
PCIe Mini Card	One PCIe Mini Card slot													
Intel 2200	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2200													
Bluetooth™	Bluetooth wireless													
Modem	None													
Ethernet	10/100M ethernet, Realtek® RTL8105E													
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)													
Security	Power on password, Hard disk password, administrator password, security lockhole													
Fingerprint reader	None										Limited Warranty ¹² ↪ 1-year warranty ↪ Mail In repair service ↪ Service upgrade options ⁵⁸ (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair ¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair ¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686			

See footnotes for important warranty information
US model(s) announced November 28, 2012

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(LIQR2-6) November 2012

IdeaPad™ Z585 (2617) - Integrated

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	Max turbo GHz	Memory	Widescreen display	CCFL or LED	Cam-era	Graphics	SATA disk GB ³ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date (mm/yy)
2617-24U	A6-4400M	2.70	3.20 4GBx1	15.6" HD	LED	720p	HD 7520G	500G 5400	DVD±RW	11b/g/n ²⁸	Graphite gray		Prem 64	10/12
2617-28U	A8-4500M	1.90	2.80 4+2GB	15.6" HD	LED	720p	HD 7640G	750G 5400	DVD±RW	11b/g/n	Graphite gray	BT	Prem 64	10/12
2617-29U	A10-4600M	2.30	3.20 4+2GB	15.6" HD	LED	720p	HD 7660G	750G 5400	DVD±RW	11b/g/n	Graphite gray	BT	Prem 64	10/12

- **15.6" widescreen, glossy display with LED backlight**
- **Integrated HD 720p megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Intelligent Touchpad – large touchpad with easy scroll, zoom and rotate functions**
- **Dolby Home Theater v4 audio enhancement with two stereo speakers**
- **Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>AMD Accelerated Processor A6-4400M (dual-core, 2.70GHz, 1MB L2 cache), integrated AMD Radeon™ HD 7520G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated DDR3 memory controller (up to 1600MHz)</p> <p>AMD Accelerated Processor A8-4500M (quad-core, 1.90GHz, 4MB L2 cache), integrated AMD Radeon HD 7640G Graphics, AMD Turbo Core technology (up to 2.80GHz), integrated DDR3 memory controller (up to 1600MHz)</p> <p>AMD Accelerated Processor A10-4600M (quad-core, 2.30GHz, 4MB L2 cache), integrated AMD Radeon HD 7660G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated DDR3 memory controller (up to 1600MHz)</p>										<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Genuine Windows® 7 Home Premium 64 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • ooVoo™ • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro PDF • Windows Live Essentials • Intelligent Touchpad • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW models, Blu-ray models) • Cyberlink PowerDVD (Blu-ray models) 			
Memory	<p>8GB max⁷; PC3-12800 1600MHz DDR3*, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets</p> <p>* System automatically clocks down for processors with 1333MHz DDR3 memory controller</p>													
Diskette drive	None													
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in													
SATA disk	<p>500GB (5400 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high</p>													
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset													
Widescreen display	<p>15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio</p>													
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator													
Graphics	<p>AMD Radeon HD Graphics, integrated in processor, uses main memory, DirectX® 11</p> <p>External monitor support via analog VGA DB-15 connector / digital HDMI connector</p>													
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key													
Numeric keypad	Numeric keypad on right of keyboard													
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and thermal management													
Light sensor	None													
Touch pad	One-piece touch pad, supports multi-touch													
Dimensions ³	<p><i>Aluminium top (WxDxH):</i> 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 32.7mm to 34.3mm</p>													
Weight ²	with optical drive and battery: <i>6-cell:</i> 5.84 lb (2.65 kg)													
Case color	Graphite gray top, black bottom													
Case material	<p><i>Top:</i> Aluminium;</p> <p><i>Bottom:</i> PC/ABS</p>													
Battery - type	Lithium Ion 6-cell, 48Wh													
Battery - life ¹⁰	<i>Integrated models:</i> up to 6 hr										<p><i>Integrated models:</i> 65-watt AC adapter</p> <p>EPEAT™ Gold rating</p> <p>ENERGY STAR® qualified</p> <p>RoHS-compliant</p>			
Chipset	AMD A70M FCH													
ExpressCard/34	None													
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)													
Ports	Two USB 2.0 and two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)													
TV tuner	None													
PCIe Mini Card	One PCIe Mini Card slot													
11b/g/n	11b/g/n wireless ⁴ , PCIe Mini Card adapter, Broadcom® or Atheros® chip, 1x1													
Bluetooth™	<i>Some:</i> Bluetooth wireless													
Modem	None													
Ethernet	10/100M ethernet, Realtek® RTL8105E													
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)													
Security	Power on password, Hard disk password, administrator password, security lockhole													
Fingerprint reader	None										<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↔ 1-year warranty ↔ Mail In repair service ↔ Service upgrade options⁵⁸ (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↔ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 			

See footnotes for important warranty information
US model(s) announced October 28, 2012

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(FLMC2-1) October 2012

IdeaPad™ Z585 (Integrated) - Windows 8

Personal Systems Reference (PSREF)

Part number	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Graphics	SATA disk GB ³ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win8 preload	Avail date (mm/yy)
59345307	A6-4400M	2.70	3.20	2GBx2	15.6" HD	LED	720p	HD 7520G	500G 5400	DVD±RW	11b/g/n ²⁸	Graphite gray		Win8 64	10/12
59345305	A8-4500M	1.90	2.80	4+2GB	15.6" HD	LED	720p	HD 7640G	750G 5400	DVD±RW	11b/g/n	Graphite gray	BT4.0	Win8 64	10/12
59345759	A10-4600M	2.30	3.20	4+2GB	15.6" HD	LED	720p	HD 7660G	1TB 5400	DVD±RW	11b/g/n	Graphite gray	BT4.0	Win8 64	10/12
59361463	A8-4500M	1.90	2.80	4+2GB	15.6" HD	LED	720p	HD 7640G	1TB 5400	DVD±RW	11b/g/n	Graphite gray	BT4.0	Win8 64	03/13

- 15.6" widescreen, glossy display with LED backlight
- Integrated HD 720p megapixel camera
- Dolby Home Theater v4 audio enhancement with two stereo speakers
- Lenovo Rescue System provides OneKey™ Recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode

Positioning Processor	Widescreen flexibility; two-spindle AMD Accelerated Processor A6-4400M (dual-core, 2.70GHz, 1MB L2 cache), integrated AMD Radeon™ HD 7520G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated DDR3 memory controller (up to 1600MHz) AMD Accelerated Processor A8-4500M (quad-core, 1.90GHz, 4MB L2 cache), integrated AMD Radeon HD 7640G Graphics, AMD Turbo Core technology (up to 2.80GHz), integrated DDR3 memory controller (up to 1600MHz) AMD Accelerated Processor A10-4600M (quad-core, 2.30GHz, 4MB L2 cache), integrated AMD Radeon HD 7660G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated DDR3 memory controller (up to 1600MHz)	Preloaded operating system ²⁰ - Windows® 8 64-bit Preloaded applications ¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro PDF • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW models, Blu-ray models) • Cyberlink PowerDVD (DVD±RW models, Blu-ray models) - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • MaAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Memory	8GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
SATA optical	DVD burner, dual-layer support, 12.7mm high, tray-in	
SATA disk	500GB (5400 rpm), 750GB (5400 rpm), or 1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 7.0mm or 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	AMD Radeon HD Graphics , integrated in processor, uses main memory, DirectX® 11 External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery key	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, volume up, volume down, OneKey Theater, and thermal management	
Light sensor	None	
Touch pad	One-piece touch pad, supports multi-touch	
Dimensions ³	Aluminium top (WxDxH): 14.8" x 9.6" x 1.3" to 1.4"; 377mm x 245mm x 32.7mm to 34.3mm	
Weight ²	with optical drive and battery: 6-cell: 5.84 lb (2.65 kg)	
Case color	Graphite gray top, black bottom	
Case material	Top: Aluminium; Bottom: PC/ABS	Integrated models: 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant
Battery - type	Lithium Ion 6-cell, 48Wh	
Battery - life ¹⁰	Integrated models: up to 6 hr	
Chipset	AMD A70M FCH	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Two USB 2.0 and two USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	One PCIe Mini Card slot	
11b/g/n	11b/g/n wireless ⁴ , PCIe Half Mini Card adapter, Broadcom® or Atheros® chip, 1x1	
Bluetooth™	Some: Bluetooth 4.0 wireless	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	Power on password, Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	Limited Warranty ¹² ↪ 1-year warranty ↪ Mail In repair service ↪ Service upgrade options ⁵⁸ (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair ¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair ¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686

See footnotes for important warranty information

US model(s) announced March 6, 2013; previous model(s) on October 24, 2012

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Lenovo IdeaPad Z500 (Dark chocolate)



Lenovo IdeaPad Z500 (Dark chocolate)



Lenovo IdeaPad Z500 (Dark chocolate)



Lenovo IdeaPad Z500 (White)



Lenovo IdeaPad Z500 (Dark chocolate)



Lenovo IdeaPad Z500 (Dark chocolate)

IdeaPad™ Z500 (Integrated) - Windows 8

Personal Systems Reference (PSREF)

Part number	Pro-cessor	Memory	Widescreen display	CCFL or LED	Cam-era	Graphics	SATA disk GB ⁸ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Backlit key-board	Win8 preload	Avail date (mm/yy)
59361311	i5-3230M	4+2GB	15.6" HD	LED	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2230	Dark chocolate	BT4.0	Backlit	Win8 64	03/13

- **15.6" widescreen with LED backlight**
- **Specialized stereo speakers for extra bass with Dolby Home Theatre v4 audio certification for immersive sound**
- **Backlit AccuType keyboard with individual rounded keys for comfortable and accurate typing (Optional feature)**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i5-3230M processor (2 cores / 4 threads, 2.60GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.20GHz), integrated Intel HD Graphics 4000										Preloaded operating system ²⁰ - Windows® 8 64-bit
Memory	16GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller										Preloaded applications ¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Exent Games Portal • Lenovo Energy Management • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Diskette drive	None										Integrated models: 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant Limited Warranty¹² ⇨ 1-year warranty ⇨ Mail In repair service ⇨ Service upgrade options⁵⁸ (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
SATA optical	DVD burner, dual-layer support, 9.5mm high, tray-in										
SATA disk	1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high										
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset										
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio										
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator										
Graphics	Intel HD Graphics 4000 in processor, External monitor support via analog VGA DB-15 connector / digital HDMI connector										
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, with LED backlight on selected models										
Numeric keypad	Numeric keypad on right of keyboard										
Light sensor	None										
Touch pad	One-piece touch pad, supports multi-touch										
Dimensions ³	<i>(WxDxH):</i> 14.8" x 10.4" x 1.0"; 375mm x 263mm x 25.4mm										
Weight ²	with optical drive and battery: <i>4-cell:</i> 4.85 lb (2.2 kg)										
Case color	<i>Top:</i> dark chocolate or white; <i>bottom:</i> color matches top color										
Case material	<i>Top and bottom:</i> PC/ABS										
Battery - type	Lithium Ion 4-cell, 48Wh / 3400mAh										
Battery - life ¹⁰	up to 5 hr										
Chipset	Mobile Intel HM76 Express Chipset										
ExpressCard/34	None										
Multicard reader	2-in-1 reader (MultiMedia Card and Secure Digital Card)										
Ports	Two USB 2.0 and one USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)										
TV tuner	None										
PCIe Mini Card	Two PCIe Mini Card slots										
Intel 2230 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter										
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter										
Modem	None										
Ethernet	10/100M ethernet, Realtek® RTL8105E										
Audio support	High Definition (HD) Audio, RealTek® ALC269Q-VC codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / dual array digital microphone, microphone input / headphone combo jack (stereo, 3.5 mm)										
Security	Power on password, Hard disk password, administrator password, security lockhole										
Fingerprint reader	None										

See footnotes for important warranty information
US model(s) announced March 6, 2013

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IdeaPad™ Z500 (Integrated) - Windows 8 (web only models)

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	Memory	Widescreen display	CCFL or LED	Cam-era	Graphics	SATA disk GB ⁸ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Backlit key-board	Win8 preload	Avail date (mm/yy)
5931-22U	i3-3110M	4GBx1	15.6" HD	LED	720p	Intel HD 4000	500G 5400	DVD±RW	Intel 2230	Dark chocolate	BT4.0	Backlit	Win8 64	12/12
5931-24U	i5-3210M	4+2GB	15.6" HD	LED	720p	Intel HD 4000	500G 5400	DVD±RW	Intel 2230	Dark chocolate	BT4.0	Backlit	Win8 64	12/12
5931-26U	i5-3210M	4GBx2	15.6" HD	LED	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2230	Dark chocolate	BT4.0	Backlit	Win8 64	12/12
5931-27U	i7-3520M	8GBx1	15.6" HD	LED	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2230	Dark chocolate	BT4.0	Backlit	Win8 64	12/12

- **15.6" widescreen with LED backlight**
- **Specialized stereo speakers for extra bass with Dolby Home Theatre v4 audio certification for immersive sound**
- **Backlit AccuType keyboard with individual rounded keys for comfortable and accurate typing (Optional feature)**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i3-3110M processor (2 cores / 4 threads, 2.40GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i5-3210M processor (2 cores / 4 threads, 2.50GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.10GHz), integrated Intel HD Graphics 4000 Intel Core i7-3520M processor (2 cores / 4 threads, 2.90GHz, 4MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.60GHz), integrated Intel HD Graphics 4000	Preloaded operating system²⁰ - Windows® 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee® Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Xent Games Portal • Lenovo Energy Management • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp® - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Memory	16GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
SATA optical	DVD burner, dual-layer support, 9.5mm high, tray-in	
SATA disk	500GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics 4000 in processor, External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, with LED backlight on selected models	
Numeric keypad	Numeric keypad on right of keyboard	
Light sensor	None	
Touch pad	One-piece touch pad, supports multi-touch	
Dimensions ³	<i>(WxDxH):</i> 14.8" x 10.4" x 1.0"; 375mm x 263mm x 25.4mm	
Weight ²	with optical drive and battery: <i>4-cell:</i> 4.85 lb (2.2 kg)	
Case color	<i>Top:</i> dark chocolate or white; <i>bottom:</i> color matches top color	
Case material	<i>Top and bottom:</i> PC/ABS	
Battery - type	Lithium Ion 4-cell, 48Wh / 3400mAh	
Battery - life ¹⁰	up to 5 hr	
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard/34	None	
Multicard reader	2-in-1 reader (MultiMedia Card and Secure Digital Card)	
Ports	Two USB 2.0 and one USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	<i>Integrated models:</i> 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
Intel 2230 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter	
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Modem	None	
Ethernet	10/100M ethernet, Realtek® RTL8105E	
Audio support	High Definition (HD) Audio, RealTek® ALC269Q-VC codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (2 watt x 2) / microphone, microphone input / headphone combo jack (stereo, 3.5 mm)	
Security	Power on password, Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	Limited Warranty¹² ↪ 1-year warranty ↪ Mail In repair service ↪ Service upgrade options⁵⁸ (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
US model(s) announced December 13, 2012

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IdeaPad™ Z500 Touch (Integrated) - Windows 8 (web only models)

Personal Systems Reference (PSREF)

Part number	Processor	Memory	Widescreen display	Multi-touch	Camera	Graphics	SATA disk GB ⁸ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Backlit key-board	Win8 preload	Avail date (mm/yy)
59372434	i3-3120M	4GBx1	15.6" HD LED	10-Point	720p	Intel HD 4000	500G 5400	DVD±RW	Intel 2230	Dark chocolate	BT4.0	Backlit	Win8 64	04/13
59372433	i5-3230M	8GBx1	15.6" HD LED	10-Point	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2230	Dark chocolate	BT4.0	Backlit	Win8 64	04/13
59361813	i7-3520M	4GBx2	15.6" HD LED	10-Point	720p	Intel HD 4000	1TB 5400	DVD±RW	Intel 2230	Dark chocolate	BT4.0	Backlit	Win8 64	05/13

- **15.6" widescreen with LED backlight**
- **Enjoy greater accuracy with the 10-point multi-touch display optimized for the new Windows 8 interface**
- **Specialized stereo speakers for extra bass with Dolby Home Theatre v4 audio certification for immersive sound**
- **Backlit AccuType keyboard with individual rounded keys for comfortable and accurate typing (Optional feature)**

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i3-3120M processor (2 cores / 4 threads, 2.50GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000 Intel Core i5-3230M processor (2 cores / 4 threads, 2.60GHz, 3MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.20GHz), integrated Intel HD Graphics 4000 Intel Core i7-3520M processor (2 cores / 4 threads, 2.90GHz, 4MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.60GHz), integrated Intel HD Graphics 4000	Preloaded operating system²⁰ - Windows [®] 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo OneKey Recovery • Lenovo Cloud Storage by SugarSync • PokeTALK • McAfee [®] Internet Security (30-Day Trial) • Nitro Pro (90-Day Trial) • CyberLink YouCam • Microsoft Office preloaded; purchase product key to activate • Xent Games Portal • Lenovo Energy Management • Cyberlink Power2Go (DVD±RW models, BD burner models) • Cyberlink PowerDVD (DVD±RW models, BD burner models) • Intel AppUp [®] - Windows Store apps (Metro-style) • AccuWeather • eBay • Evernote • Skype • Amazon Kindle • McAfee • Lenovo Support • PowerDVD • Rara Streaming • Lenovo Companion
Memory	16GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Diskette drive	None	
SATA optical	DVD burner, dual-layer support, 9.5mm high, tray-in	
SATA disk	500GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color , anti-glare, LED backlight , 200 nits, 16:9 aspect ratio, 400:1 contrast ratio	
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point, GFF Solution	
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator	
Graphics	Intel HD Graphics 4000 in processor, External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, with LED backlight on selected models	
Numeric keypad	Numeric keypad on right of keyboard	
Light sensor	None	
Touch pad	One-piece touch pad, supports multi-touch	
Dimensions ³	(WxDxH): 14.8" x 10.4" x 1.1"; 375mm x 263mm x 28.75mm	
Weight ²	with optical drive and battery: <i>4-cell</i> : 5.73 lb (2.6 kg)	
Case color	<i>Top</i> : dark chocolate; <i>bottom</i> : color matches top color	
Case material	<i>Top and bottom</i> : PC/ABS	
Battery - type	Lithium Ion 4-cell, 48Wh / 3400mAh	
Battery - life ¹⁰	up to 5 hr	
Chipset	Mobile Intel HM76 Express Chipset	<i>Integrated models:</i> 65-watt AC adapter EPEAT [™] Gold rating ENERGY STAR [®] qualified RoHS-compliant
ExpressCard/34	None	
Multicard reader	2-in-1 reader (MultiMedia Card and Secure Digital Card)	
Ports	Two USB 2.0 and one USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card	Two PCIe Mini Card slots	
Intel 2230 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino [®] Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter	
Bluetooth [™]	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Modem	None	
Ethernet	10/100M ethernet, Realtek [®] RTL8105E	
Audio support	High Definition (HD) Audio, RealTek [®] ALC269Q-VC codec / Dolby [®] Home Theater [®] v4 audio enhancement, stereo speakers (2 watt x 2) / dual array digital microphone, microphone input / headphone combo jack (stereo, 3.5 mm)	
Security	Power on password, Hard disk password, administrator password, security lockhole	
Fingerprint reader	None	
		Limited Warranty¹² ↪ 1-year warranty ↪ Mail in repair service ↪ Service upgrade options⁵⁸ (in eligible locations): ⁹ • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information

Ⓢ US model(s) announced May 8, 2013; previous model(s) on April 17, 2013

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IdeaPad™ Z500 Touch (NVIDIA) - Windows 8 (web only models)

Personal Systems Reference (PSREF)

Part number	Processor	Memory	Widescreen display	Multi-touch	Camera	Graphics	SATA disk GB ⁸ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Backlit key-board	Win8 preload	Avail date (mm/yy)
59361820	i7-3632QM	4GBx2	15.6" HD LED	10-Point	720p	GT 740M 2G	1TB 5400	BD burner	Intel 2230	Dark chocolate	BT4.0	Backlit	Win8 64	05/13

- **15.6" widescreen with LED backlight**
- **Enjoy greater accuracy with the 10-point multi-touch display optimized for the new Windows 8 interface**
- **Specialized stereo speakers for extra bass with Dolby Home Theatre v4 audio certification for immersive sound**
- **Backlit AccuType keyboard with individual rounded keys for comfortable and accurate typing (Optional feature)**

Positioning	<i>Widescreen flexibility; two-spindle</i>										Preloaded operating system²⁰ - Windows [®] 8 64-bit			
Processor	Intel[®] Core™ i7-3632QM processor (4 cores / 8 threads, 2.20GHz, 6MB cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.20GHz), integrated Intel HD Graphics 4000										Preloaded applications¹⁴ (only some listed)			
Memory	16GB max ⁷ ; PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller										- Traditional Desktop apps			
Diskette drive	None										• Lenovo OneKey Recovery			
SATA optical	Blu-ray™ burner, Blu-ray and DVD disk recordable, 9.5mm, tray-in										• Lenovo Cloud Storage by SugarSync			
SATA disk	1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high										• PokeTALK			
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset										• McAfee [®] Internet Security (30-Day Trial)			
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color , anti-glare, LED backlight , 200 nits, 16:9 aspect ratio, 400:1 contrast ratio										• Nitro Pro (90-Day Trial)			
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point, GFF Solution										• CyberLink YouCam			
Camera	HD 720p Camera on top of screen, 1.0-megapixel, fixed focus, LED indicator										• Microsoft Office preloaded; purchase product key to activate			
Graphics	NVIDIA[®] Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 in processor, and NVIDIA GeForce[®] GT 740M Graphics , PCI Express [®] x16, 2GB DDR3 , DirectX [®] 11, external monitor support via analog VGA DB-15 connector / digital HDMI connector										• Exent Games Portal			
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, with LED backlight on selected models										• Lenovo Energy Management			
Numeric keypad	Numeric keypad on right of keyboard										• Cyberlink Power2Go (DVD±RW models, BD burner models)			
Light sensor	None										• Cyberlink PowerDVD (DVD±RW models, BD burner models)			
Touch pad	One-piece touch pad, supports multi-touch										• Intel AppUp [®]			
Dimensions ³	<i>(WxDxH):</i> 14.8" x 10.4" x 1.1"; 375mm x 263mm x 28.75mm										- Windows Store apps (Metro-style)			
Weight ²	with optical drive and battery: <i>4-cell:</i> 5.73 lb (2.6 kg)										• AccuWeather			
Case color	<i>Top:</i> dark chocolate; <i>bottom:</i> color matches top color										• eBay			
Case material	<i>Top and bottom:</i> PC/ABS										• Evernote			
Battery - type	Lithium Ion 4-cell, 48Wh / 3400mAh										• Skype			
Battery - life ¹⁰	up to 5 hr										• Amazon Kindle			
Chipset	Mobile Intel HM76 Express Chipset										• McAfee			
ExpressCard/34	None										• Lenovo Support			
Multicard reader	2-in-1 reader (MultiMedia Card and Secure Digital Card)										• PowerDVD			
Ports	Two USB 2.0 and one USB 3.0 ports, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)										• Rara Streaming			
TV tuner	None										• Lenovo Companion			
PCIe Mini Card	Two PCIe Mini Card slots										<i>Discrete models:</i> 90-watt AC adapter			
Intel 2230 ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino [®] Wireless-N 2230, 2x2 Wi-Fi + Bluetooth combo adapter										EPEAT™ Gold rating			
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter										ENERGY STAR [®] qualified			
Modem	None										RoHS-compliant			
Ethernet	10/100M ethernet, Realtek [®] RTL8105E										Limited Warranty¹²			
Audio support	High Definition (HD) Audio, RealTek [®] ALC269Q-VC codec / Dolby [®] Home Theater [®] v4 audio enhancement, stereo speakers (2 watt x 2) / dual array digital microphone, microphone input / headphone combo jack (stereo, 3.5 mm)										↪ 1-year warranty			
Security	Power on password, Hard disk password, administrator password, security lockhole										↪ Mail In repair service			
Fingerprint reader	None										↪ Service upgrade options⁵⁸ (in eligible locations): ⁹			
											• 1-year Lenovo Onsite Repair¹³ 78Y1532			
											• 1-year Onsite with accidental damage protection 78Y1533			
											• 2-year Lenovo Onsite Repair¹³ 78Y1536			
											• 3-year Lenovo Depot Repair 78Y1538			
											↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686			

See footnotes for important warranty information
US model(s) announced May 8, 2013

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Lenovo Video Docking VDK8726 (57Y6576)



Lenovo Portable DVD Burner DB50 (57Y6487)



Lenovo Wireless Keyboard N5901 (57Y6336)



Wireless Mouse N3903A Metal (57Y6596)
Wireless Mouse N3903A Coffee (57Y6666)



Lenovo Speaker M0520 Black (57Y6360)
Lenovo Speaker M0520 Red (57Y6361)



Lenovo Headset P950 (57Y6605)



Lenovo 15' Backpack B5650 (57Y6457)



IdeaPad T150 TopLoader (55Y9397)

**Partial list of accessories supported on:
IdeaPad S, U, Y, V, and Z series notebooks****Memory (See compatibility matrix on O-IPCM)**

2G PC2-5300 DDR2 SODIMM Memory	57Y6301
1G PC3-8500 DDR3 SODIMM Memory	57Y6509
2G PC3-8500 DDR3 SODIMM Memory	57Y6511
2G PC3-10600 DDR3 SODIMM Memory	57Y6582

Storage and removable storage

Lenovo Portable DVD Burner DB50 (black)	57Y6487
Lenovo Portable DVD Burner DB50 (white)	57Y6488

Expansion

Lenovo Notebook Stand S1801A (black)	57Y6484
Lenovo Video Docking VDK8726	57Y6576

Keyboard

Lenovo Wired Keyboard K4803A (black)	57Y6566
Lenovo Mini Wireless Keyboard N5901A ⁵²	57Y6599 <i>ann 10/26/10</i>
Lenovo Mini Wireless Keyboard N5901 ⁵² (blk)	57Y6336 <i>ann 12/08/09</i>

⁵² Wireless via 2.4GHz technology using a micro-size USB receiver.

Mouse

Lenovo Optical Mouse A6010 (red)	57Y6483
Lenovo Optical Mouse A6010 (black)	57Y6255
Lenovo Mini Optical Mouse S10B (white)	55Y9358
Bluetooth Laser Mice N6901A (glossy black)	57Y6482
Lenovo Wireless Mouse N30B (black)	55Y9360
Wireless Mouse N3903A (metal)	57Y6596
Wireless Mouse N3903A (coffee)	57Y6666 <i>ann 01/25/11</i>
Wireless Mouse N3902A (black)	57Y6574
Wireless Mouse N3902A (red)	57Y6673 <i>ann 01/25/11</i>

Multimedia

Lenovo Headset P550	55Y2065
Lenovo Headset P950 (black)	57Y6605 <i>ann 02/08/11</i>
Lenovo mini speaker M220	55Y2033
Lenovo speaker M0520 (black)	57Y6360 <i>ann 02/08/11</i>
Lenovo speaker M0520 (red)	57Y6361 <i>ann 02/08/11</i>

Batteries

IdeaPad S9/S10/S12 Li-Ion Battery 6-cell (b)	45K2178 <i>ann 12/16/08</i>
IdeaPad S9/S10/S12 Li-Ion Battery 6-cell (w)	45K2177 <i>ann 12/16/08</i>
IdeaPad S9/S10 Li-Ion Battery 6-cell (black)	57Y6346 <i>ann 03/22/11</i>
IdeaPad S10-2 Li-Ion Battery 6-cell (black)	55Y9382
IdeaPad S10-2 Li-Ion Battery 6-cell (white)	55Y9383
IdeaPad S10-3t Li-Ion Battery 8-cell (black)	57Y6452
IdeaPad S10-3 Li-Ion Battery 6-cell (white)	57Y6448
IdeaPad S10-3 Li-Ion Battery 6-cell (black)	57Y6446
IdeaPad U150 Li-Ion Battery 6-cell (black)	57Y6354
IdeaPad U160 Li-Ion Battery 3-cell (black)	57Y6517 <i>ann 03/08/11</i>
IdeaPad U160 Li-Ion Battery 3-cell (red)	57Y6518 <i>ann 03/08/11</i>
IdeaPad U160 Li-Ion Battery 6-cell (black)	57Y6519 <i>ann 03/08/11</i>
IdeaPad U160 Li-Ion Battery 6-cell (red)	57Y6520 <i>ann 03/08/11</i>
IdeaPad U350 Li-Ion Battery 8-cell (black)	57Y6352
IdeaPad U350 Li-Ion Battery 4-cell (white)	57Y6265
IdeaPad U450P/U550 Li-Ion Battery 6-cell (b)	57Y6309
IdeaPad U460 Li-Ion Battery 8-cell (black)	57Y6521 <i>ann 03/08/11</i>
IdeaPad Y450/Y550 Li-Ion Battery 6-cell	55Y2054 <i>ann 04/07/09</i>
IdeaPad Y460/Y560 Li-Ion Battery 6-cell (blk)	57Y6440
G460/G560/V360/Z460/Z560 Li Battery 6-cell	57Y6454
IdeaPad Y650 Li-Ion Battery 6-cell	55Y2055 <i>ann 04/07/09</i>
IdeaPad U450 Li-Ion Battery 8-cell (black)	57Y6353
IdeaPad V460/B460 Li-Ion Battery 6-cell	57Y6528
IdeaPad U260 Li-Ion Battery 4-cell (black)	57Y6601
IdeaPad Z360 Li-Ion Battery 6-cell	57Y6527
IdeaPad Y510/Y530/Y710/Y730 Li Batt 6-cell	45J7706
IdeaPad Y430 Li-Ion Battery 6-cell	45K2221
IdeaPad U330 Li-Ion Battery 6-cell	55Y2019

Adapters (See compatibility matrix on O-IPCM)

IdeaPad S9/S10 40W AC Adapter (white)	45K2200 <i>ann 11/18/08</i>
IdeaPad S9/S10 40W AC Adapter (black)	45K2209 <i>ann 11/18/08</i>
Lenovo 30W AC Adapter (white)	57Y6430
Lenovo 30W AC Adapter (black)	57Y6415
Lenovo 40W AC Adapter 40A (white)	55Y9361
Lenovo 40W AC Adapter 40A (black)	55Y9370
Lenovo 65W AC Adapter 65A	57Y6400
Ideapad 65W AC Adapter	45K2225
Lenovo 90W AC Adapter 90A	57Y6385
Lenovo 90W AC Adapter	45J7717 <i>ann 08/12/08</i>
Lenovo 120W AC Adapter	57Y6549

Carrying Cases

IdeaPad 10" Sleeve S1616 (black)	57Y6456
Targus Eternity 10" Sleeve CS2600-8C	57Y6563
Ideapad 13" Sleeve S135 (pink)	57Y6320
Ideapad 13" Sleeve S135 (grey)	57Y6318
Ideapad 13" Sleeve S135 (black)	57Y6319
Ideapad 15" Backpack B450 (black-basic)	55Y2094
Lenovo 15" Backpack B5650	57Y6457
IdeaPad 15" TopLoader T150 (green)	55Y9397
IdeaPad 15" Messenger Case M150 (black)	55Y9380
Targus Eternity 15" Backpack CB2650	57Y6560
Targus Eternity 15" Toploader CT2650	57Y6562
Ideapad 16" TopLoader T360	55Y2100

For more information on accessories:

www.lenovo.com/accessories

Purchase Lenovo accessories

www.lenovo.com/support/accessories

Product specifications on Lenovo Support

www.lenovo.com/accessoriesguide

Option Compatibility Matrix (OCM) and accessory brochures

www.lenovoquickpick.com

An Options Compatibility Configurator for Lenovo systems

IdeaPad™ Accessories compatibility matrix

Personal Systems Reference (PSREF)

AC Adapter	30W AC Adapter white (57Y6430) black (57Y6415)	S9/S10 40W AC Adapter white (45K2200) black (45K2209)	40W AC Adapter 40A white (55Y9361) black (55Y9370)	65W AC Adapter 65A (57Y6400)	65W AC Adapter (45K2225)	90W AC Adapter 90A (57Y6385)	90W AC Adapter (45J7717)	120W AC Adapter (57Y6549)
S9		x*						
S10		x						
S10-2			x					
S10-3	x							
S10-3s	x							
S10-3t	x							
S10-3c	x							
S12			x					
U150		x						
U330 Integrated					x			
U330 Discrete							x	
U350 Integrated					x			
U350 Discrete							x	
U450 Integrated					x			
U450 Discrete							x	
U450P Integrated					x			
U450P Discrete							x	
U550 Integrated					x			
U550 Discrete							x	
U455 Integrated					x			
U455 Discrete							x	
U460				x				
U460s				x				
Y410 Integrated					x			
Y410 Discrete							x	
Y510 Integrated					x			
Y510 Discrete							x	
Y710 Integrated							x	
Y430 Integrated					x			
Y430 Discrete							x	
Y530 Integrated					x			
Y530 Discrete							x	
Y730 Integrated							x	
Y450 Integrated					x			
Y450 Discrete							x	
Y550 Integrated					x			
Y550 Discrete							x	
Y650 Integrated					x			
Y650 Discrete							x	
Y460 Integrated				x				
Y460 Discrete						x		
Y560 Integrated (except quad-core)				x				
Y560 Discrete (except quad-core)						x		
Y560 (quad-core)								x
Z360				x				
Z370 Integrated (dual-core)				x				
Z370 Discrete (dual-core) and Integrated (quad- core)						x		
Z370 Discrete (quad-core)								x
Z460				x				
Z560				x				
Z570 Integrated (dual-core)				x				
Z570 Discrete (dual-core) and Integrated (quad- core)						x		
Z570 Discrete (quad-core)								x
Z465 Integrated				x				
Z465 Discrete						x		
Z565 Integrated				x				
Z565 Discrete						x		
V360				x				
V460				x				
V560				x				

* Character "x": option supported on system

IdeaPad™ Accessories compatibility matrix

Personal Systems Reference (PSREF)

Memory	2G PC2-5300 DDR2 SODIMM Memory (57Y6301)	1G PC3-8500 DDR3 SODIMM Memory (57Y6509)	2G PC3-8500 DDR3 SODIMM Memory (57Y6511)	2G PC3-10600 DDR3 SODIMM Memory (57Y6582)
S10-2	x			
S10-3				x
S10-3s (DDR2)	x			
S10-3s (DDR3)				x
S10-3t				x
U460 / U460s		x	x	
Y530	x			
Y450		x	x	
Y460		x	x	
Y560		x	x	
V550	x			
V360		x	x	
V460		x	x	
Z360		x	x	
Z460 / Z465		x	x	
Z560 / Z565		x	x	

* Character "x": option supported on system

Availability: All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

Warranty: For a copy of applicable product warranties, write to: Warranty Information, P.O. Box 12195, RTP, NC, 27709, Attn: Dept ZPYA/B676. Lenovo makes no representation or warranty regarding third party products or services.

Footnotes:

- ¹ Power management, including Intel® SpeedStep® Technology, reduces processor speed when in battery mode.
- ² **Weight** includes battery and standard optical drive; weight may vary due to vendor components, manufacturing process and options.
- ³ **Thinness** may vary at certain points on the system.
- ⁴ **Wireless capability:** Requires compatible wireless-enabled options sold separately.
- ⁵ **Post-warranty annual maintenance agreement:** Service begins at the end of the base warranty or the end of any other applied warranty and maintenance option, whichever occurs last. Service delivery is not available the same day the maintenance agreement is purchased. Maintenance agreements must be purchased and the registration successfully completed prior to the service being available.
- ⁶ **Public network download modem speeds** are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.
- ⁷ **Maximum memory capacity** may require the replacement of standard component with largest supported component available. On systems, even though it is possible to physically install 4GB of memory, the actual amount of memory addressable by a 32-bit operating system will be limited to 3GB. This limitation does not exist with 64-bit operating systems.

⁸ **Hard drive:** GB = billion bytes, TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.

⁹ **Service upgrade options:** Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees.

¹⁰ **Battery:** These model numbers achieved the battery life based on MobileMark® 2007 during testing. Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.

¹¹ **Wireless:** Based on IEEE 802.11a, 802.11b, and 802.11g respectively. An adapter with 11a/b, 11b/g, or 11a/b/g can communicate on either/any of these listed formats respectively, the actual connection will be based on the access point to which it connects.

¹² **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.

¹³ **Onsite Repair:** If a machine is listed as having "On-site", this means that on-site service is available for the replacement of parts for warranty repairs. Certain parts, referred to as Customer Replaceable Unit ("CRU") parts, are easy to install and require little or no tools or technical knowledge. Some examples of CRU parts are mice, keyboards, hard disk drives, speakers, and memory. If your problem can be resolved with a CRU, the Support Center will offer to ship the part to you for you to install.

¹⁴ **Included software** may differ from its retail version (if available), and may not include user manuals or all program functionality. Software license agreements may apply.

¹⁵ **Modem speeds:** Public network download speeds are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.

¹⁶ **Response times may vary.** May exclude some holidays. Telephone support may be subject to additional charges.

¹⁸ **Telephone support** may be subject to additional charges, even during the limited warranty period. Response times may vary and may exclude some holidays.

¹⁹ **Depot repair service:** In the United States call 1-877-453-6686. The customer may be asked certain diagnostic questions before a courier is sent. Your purchase includes this depot repair service, available in the U.S. during the limited warranty period.

²⁰ **Operating System:** Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/pc/support and enter your machine type and model number for more information.

²¹ **For combination drives,** maximum possible speeds only are given in the following order: CD write, CD rewrite, CD read, DVD read.

²² **Lenovo Services:** These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part can be express shipped to you for quick replacement. For notebooks requiring LCD or other component replacement, Lenovo may choose to perform service at the depot repair center. Calls must be received by 5 pm local time in order to qualify for Next Business Day service. P&L means parts and labor. P/U means pick-up. See terms and conditions for complete details and restrictions.

²⁵ **Wireless WAN Cards:** Wireless data service requires separate agreement with Verizon Wireless. Verizon Wireless, not Lenovo, is solely responsible for service. Monthly and airtime charges may apply. Service may not be available in all areas; purchaser is responsible for verifying with Verizon Wireless that service is available for the intended location before the purchase of the card. For complete details, including service plans, additional required hardware or software, and service coverage, visit www.verizonwireless.com.

²⁸ **The IEEE 802.11n specification (MIMO)** has been finalized and is currently in IEEE 802.11n-2009 release. The maximum speed depends on the access point device and the number of integrated antenna used for connection. An adapter with 11a/b, 11a/b/g, 11b/g/n, or 11a/b/g/n can communicate on any of its supported formats.



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