

Hardware Support Matrix for HP EliteBook 8760w, 8560w, and 8460w Mobile Workstations

HP EliteBook 8760w Mobile Workstation

Category	Specifics	RHEL5.7	RHEL6.x	SLED 11 SP1
Processors	2nd Generation Intel Core i5 Processor, Sandy Bridge Dual Core, uFCPGA:			
	i5-2520M, 2.50GHz (Turbo up to 3.20GHz), 3MB L3 Cache, 4 threads, 35W	*	√	√
	i5-2540M, 2.60GHz (Turbo up to 3.30GHz), 3MB L3 Cache, 4 threads, 35W	*	*	*
	2nd Generation Intel Core i7 Processor, Sandy Bridge Dual Core, uFCPGA:			
	i7-2620M, 2.70GHz (Turbo up to 3.40GHz), 4MB L3 Cache, 4 threads, 35W	*	√	*
	i7-2640M, 2.80GHz (Turbo up to 3.40GHz), 3MB L3 Cache, 4 threads, 35W TJ100	*	*	*
	2nd Generation Intel Core i7 Processor, Sandy Bridge Quad Core, uFCPGA:			
	i7-2630QM, 2.00GHz (Turbo up to 2.90GHz), 6MB L3 Cache, 8 threads, 45W	*	*	*
	i7-2670QM, 2.20GHz (Turbo up to 3.10GHz), 6MB L3 Cache, 8 threads, 45W	*	*	*
	i7-2720QM, 2.20GHz (Turbo up to 3.30GHz), 6MB L3 Cache, 8 threads, 45W	*	√	√
	i7-2760QM, 2.40GHz (Turbo up to 3.50GHz), 6MB L3 Cache, 8 threads, 45W TJ100	*	√	*
	i7-2820QM, 2.30GHz (Turbo up to 3.40GHz), 8MB L3 Cache, 8 threads, 45W	√	√	√
	i7-2860QM, 2.50GHz (Turbo up to 3.60GHz), 8MB L3 Cache, 8 threads, 45W TJ100	*	*	*
	2nd Generation Intel Core i7 Processor, Sandy Bridge Quad Core Extreme, uFCPGA			
i7-2920XM, 2.50GHz (Turbo up to 3.50GHz), 8MB L3 Cache, 8 threads, 55W	*	√	*	
i7-2960XM, 2.70GHz (Turbo up to 3.70GHz), 8MB L3 Cache, 8 threads, 55W TJ100	*	*	*	
Chipset	Intel Huron River Mobile Intel® QM67 chipset	√	√	√
Graphics	AMD FirePro M5950 1GB GDDR5	⊘	**	**
	NVIDIA Quadro 3000M 2GB GDDR5	⊘	√	**
	NVIDIA Quadro 4000M 2GB GDDR5	⊘	√	**
	NVIDIA Quadro 5010M 4GB GDDR5	⊘	**	**
Panels	Supports privacy filter	*	*	*
	17.3" HD+ AG LED WVA	√	√	√
	17.3" FHD AG LED WVA	√	√	√
	17.3" FHD AG RGB LED UWVA Dream Color	√	√	*
	Ambient light sensor	*	*	*
Memory	1333MHz			
	2048MB Total System Memory (2048MB x 1)	*	√	√
	4096MB Total System Memory (4096MB x 1)	*	√	√
	4096MB Total System Memory (2048MB x 2)	*	*	*
	8192MB Total System Memory (8192MB x 1)	√	√	*
	8192MB Total System Memory (4096MB x 2)	*	*	*
	8192MB Total System Memory (2048MB x 4)	*	*	√
	16384MB Total System Memory (8192MB x 2)	*	*	*
	16384MB Total System Memory (4096MB x 4)	*	*	√
32768MB Total System Memory (8192MB x 4)	*	*	*	
Primary Storage	SATA, 7.0mm,9.5mm or 12.7mm HDDs:			
	320GB 7200rpm	√	√	√
	320GB 7200rpm Self Encrypting Drive	*	*	*
	500GB 7200rpm	√	√	√
	750GB 7200rpm	√	√	√
	2.5" SSD			
	128GB	*	*	√
	256GB SED	*	*	*
256GB	*	*	*	
Secondary Storage	SATA, 7.0mm,9.5mm or 12.7mm HDDs:			
	320GB 7200rpm	*	√	*
	320GB 7200rpm Self Encrypting Drive	*	*	*
	500GB 7200rpm	*	*	*
	750GB 7200rpm	*	*	√

	2.5" SSD			
	128GB	*	*	√
	256GB SED	*	*	*
	256GB	*	*	*
Upgrade Bay	12.7mm SATA Optical:			
	DVD-ROM (defeatured combo)	√1	√1	√1
	DVD+/-RW SuperMulti DL	√1	√1	√1
	Blu-ray ROM DVD+/-RW SuperMulti DL	√1	√1	√1
	Blu-ray R/RE DVD +/-RW SuperMulti DL Drive	√1	√1	√1
	SATA, 7.0mm,9.5mm or 12.7mm HDDs:			
	500GB 7200rpm	*	*	*
Audio/Visual	HD Audio w/SRS Premium Sound	√	√	√
	Integrated microphone (Dual Array)	⌘	√	√
	Integrated Camera (720p HD)	⌘	√	√
	Stereo Speakers (2)	√	√	√
Modem	56k v.92 MDC data/fax modem:	⌘	⌘	**
Ethernet	Intel 82579LM 10/100/1000 Ethernet	⌘	√	**
Wireless Networking	WPAN Bluetooth:			
	Integrated Bluetooth	⌘	√	√
	WLAN:			
	Intel Centrino Advanced N 6205, 2x2 a/b/g/n	⌘	√	**
	Intel Centrino Ultimate-N 6300, 3x3 a/b/g/n	⌘	√	**
	Atheros 3x3 a/b/g/n	⌘	2	**
	WWAN:	⌘	⌘	⌘
External Card Expansion	Express Card - 54	√	√	√
	Digital Media Reader Slot	√	√	√
Input / Output	VGA (Dsub 15 pin)	√	√	√
	USB 2.0 Ports (2) - 1 port with USB charging support (S3/S5)	√	√	√
	USB 3.0 Ports (2)	⌘	√	√
	e-SATA/USB 2.0 Combo	√	√	√
	1394a (1)	⌘	√	√
	Display Port	⌘	√	√
	RJ-11 / Modem	⌘	⌘	**
	RJ-45 / Ethernet	⌘	√	**
	Docking connector	√	√	**
	Headphone / Line out (stereo)	√	√	√
	Microphone Input (mono)	⌘	√	√
	Multi-Pin AC Port	√	√	*
	Microphone Input (stereo)	⌘	√	**
	4 launch buttons (QuickWeb, WLAN on/off, Mute, Calculator)	√	√	**
	Touchpad on/off on touchpad	⌘	**	**
Keyboard	Full sized keyboard w/ separate numeric keypad:	√	√	√
	Dual Point (3 pick buttons point stick x 3 pick buttons touchpad)	√	√	√
	Backlit keyboard with separate numeric keypad	√	√	√
	Dual Point (3 pick buttons point stick x 3 pick buttons touchpad)	√	√	√
Power Requirements	8 cell 2.8 AH LiION Battery - 83WHr	*	*	*
	8 cell 2.8 AH Lilon Battery - 75WHr (1000 cycle 3 yr warranty)	√	√	√
	Support for 9-cell 73Whr Polymer Battery, HP ST09 Extended Life Battery	*	*	√
	Support for 9-cell 100Whr 3.0Ahr CylindricalBattery, HP BB09 Ultra-Capacity Extended	*	*	√
	HP Fast Charge Technology	*	*	√
	AC adapter with localized cable plug support	√	√	√
Security	Support Security Lock	√	√	√
	TPM 1.2 & TPM Enhanced Drive Lock	⌘	⌘	⌘
	Fingerprint Reader	⌘	**	**
	Integrated Smart Card Reader (Active)	**	**	**
	Full volume encryption	⌘	⌘	⌘
	Preboot Authentication (Password, Smart Card)	⌘	⌘	⌘

Notes:

- ✓ Supported and tested
- * Supported but not tested
- ** Supported using HP provided driver
- *** OS native supported
- 1 DVD and Bluray support is limited to data only
- 2 Supported with RHEL 6.2 or higher
- ⌘ Not supported; Driver not available

HP EliteBook 8560w Mobile Workstation

Category	Specifics	RHEL5.7	RHEL6.x	SLED 11 SP1
Processors	Intel Core i5 Processor, Sandy Bridge Dual Core, uFCPGA:			
	i5-2520M, 2.50GHz (Turbo up to 3.20GHz), 3MB L3 Cache, 4 threads, 35W	*	✓	✓
	i5-2540M, 2.60GHz (Turbo up to 3.30GHz), 3MB L3 Cache, 4 threads, 35W	*	*	*
	Intel Core i7 Processor, Sandy Bridge Dual Core, uFCPGA:			
	i7-2620M, 2.70GHz (Turbo up to 3.40GHz), 4MB L3 Cache, 4 threads, 35W	✓	✓	✓
	i7-2640M, 2.80GHz (Turbo up to 3.40GHz), 3MB L3 Cache, 4 threads, 35W TJ100	*	*	*
	Intel Core i7 Processor, Sandy Bridge Quad Core, uFCPGA:			
	i7-2630QM, 2.00GHz (Turbo up to 2.90GHz), 6MB L3 Cache, 8 threads, 45W	*	✓	
	i7-2670QM, 2.20GHz (Turbo up to 3.10GHz), 6MB L3 Cache, 8 threads, 45W	*	*	*
	i7-2720QM, 2.20GHz (Turbo up to 3.30GHz), 6MB L3 Cache, 8 threads, 45W	*	✓	✓
	i7-2760QM, 2.40GHz (Turbo up to 3.50GHz), 6MB L3 Cache, 8 threads, 45W TJ100	*	*	*
	i7-2820QM, 2.30GHz (Turbo up to 3.40GHz), 8MB L3 Cache, 8 threads, 45W	*	✓	✓
	i7-2860QM, 2.50GHz (Turbo up to 3.60GHz), 8MB L3 Cache, 8 threads, 45W TJ100	*	*	*
Chipset	Intel Huron River Mobile Intel® QM67 chipset	✓	✓	✓
Graphics	AMD FirePro M5950 1GB GDDR5	⌘	**	**
	NVIDIA Quadro 1000M 2GB DDR3	⌘	**	**
	NVIDIA Quadro 2000M 2GB DDR3	⌘	**	**
Panels	Supports privacy filter	*	*	*
	15.6" HD+ AG LED WVA	✓	✓	✓
	15.6" FHD AG LED WVA	✓	✓	✓
	15.6" FHD AG RGB LED UWVA Dream Color Ambient light sensor	⌘	⌘	⌘
Memory	1333MHz			
	2048MB Total System Memory (2048MB x 1)	*	✓	✓
	4096MB Total System Memory (4096MB x 1)	*	✓	✓
	4096MB Total System Memory (2048MB x 2)	*	*	*
	8192MB Total System Memory (8192MB x 1)	*	*	*
	8192MB Total System Memory (4096MB x 2)	*	*	*
	8192MB Total System Memory (2048MB x 4)	✓	✓	✓
	16384MB Total System Memory (8192MB x 2)	*	*	*
	16384MB Total System Memory (4096MB x 4)	*	*	*
32768MB Total System Memory (8192MB x 4)	✓	✓	*	
Primary Storage	SATA, 7.0mm,9.5mm or 12.7mm HDDs:			
	320GB 7200rpm	✓	✓	✓
	320GB 7200rpm Self Encrypting Drive	*	*	*
	500GB 7200rpm	✓	✓	*
	750GB 7200rpm	✓	✓	*
	2.5" SSD			
	128GB	*	*	*
	256GB	*	*	*
	256GB SED	*	*	*
	Upgrade Bay	12.7mm SATA Optical:		
DVD-ROM (defeatured combo)		✓1	✓1	✓1
DVD+/-RW SuperMulti DL		✓1	✓1	✓1
Blu-ray ROM DVD+/-RW SuperMulti DL		✓1	✓1	✓1
Blu-ray R/RE DVD +/-RW SuperMulti DL Drive		✓1	✓1	✓1
SATA, 7.0mm,9.5mm or 12.7mm HDDs:				
320GB 7200rpm Self Encrypting Drive		✓	✓	*
500GB 7200rpm		✓	✓	✓

Audio/Visual	HD Audio w/ SRS Premium Sound	√	√	√
	Integrated microphone (Dual Array)	⊘	√	√
	Integrated Camera (720p HD)	⊘	√	√
	Stereo Speakers (2)	√	√	√
Modem	56k v.92 MDC data/fax modem	⊘	⊘	√
Ethernet	Intel 82579LM 10/100/1000 Ethernet	⊘	√	√
Wireless Networking	WPAN Bluetooth: Integrated Bluetooth	⊘	√	√
	WLAN:			
	Intel Centrino Advanced N 6205, 2x2 a/b/g/n	⊘	√	**
	Intel Centrino Ultimate-N 6300, 3x3 a/g/n	⊘	√	√
	Atheros 3x3 a/g/n	⊘	2	√
WWAN:		⊘	⊘	
External Card Expansion	Express Card - 54	√	√	√
	Digital Media Reader Slot	√	√	√
Input / Output	VGA (Dsub 15 pin)	√	√	√
	USB 2.0 Ports (2) - 1 port with USB charging support (S3/S5)	√	√	√
	USB 3.0 Ports (2)	⊘	√	√
	e-SATA/USB 2.0 Combo	√	√	√
	1394a (1)	⊘	√	√
	Display Port	⊘	√	√
	RJ-11 / Modem	⊘	⊘	√
	RJ-45 / Ethernet	⊘	√	√
	Docking connector	√	√	√
	Headphone / Line out (stereo)	√	√	√
	Microphone Input (mono)	⊘	√	√
	Multi-Pin AC Port	√	√	√
	Microphone Input (stereo)	⊘	√	√
	4 launch buttons (QuickWeb, WLAN on/off, Mute, Calculator)	√	√	√
	Touchpad on/off on touchpad	⊘	**	**
Keyboard	Full sized keyboard w/ separate numeric keypad:	√	√	√
	Dual Point (3 pick buttons point stick x 3 pick buttons touchpad)	√	√	√
	Backlit keyboard with separate numeric keypad	√	√	√
	Dual Point (3 pick buttons point stick x 3 pick buttons touchpad)	√	√	√
Power Requirements	8 cell 2.8 AH LiION Battery - 83WHr	*	*	*
	8 cell 2.8 AH Lilon Battery - 75WHr (1000 cycle 3 yr warranty)	√	√	√
	Support for 9-cell 73Whr Polymer Battery, HP ST09 Extended Life Battery	*	*	*
	Support for 9-cell 100Whr 3.0Ahr CylindricalBattery, HP BB09 Ultra-Capacity Extended	*	*	*
	HP Fast Charge Technology	*	*	*
Security	Support Security Lock	√	√	√
	TPM 1.2 & TPM Enhanced Drive Lock	⊘	⊘	⊘
	Fingerprint Reader	⊘	**	**
	Integrated Smart Card Reader (Active)	***	***	***
	Full volume encryption	⊘	⊘	⊘
	Preboot Authentication (Password, Smart Card)	⊘	⊘	⊘

Notes:

- √ Supported and tested
- * Supported but not tested
- ** Supported using HP provided driver
- *** OS native supported
- 1 DVD and Bluray support is limited to data only
- 2 Supported with RHEL 6.2 or higher
- ⊘ Not supported; Driver not available

HP EliteBook 8460w Mobile Workstation

Category	Specifics	RHEL5.7	RHEL6.x	SLED 11 SP1 (64bit)
Processors	2nd Generation Intel® Core™ i3 Processor, Sandy Bridge, Dual Core, uFCPGA:			
	i5-2520M, 2.50GHz (Turbo up to 3.20GHz), 3MB L3 Cache, 4 threads, 35W	*	*	*
	i5-2540M, 2.60GHz (Turbo up to 3.30GHz), 3MB L3 Cache, 4 threads, 35W	*	*	*

	2nd Generation Intel® Core™ i7 Processor, Sandy Bridge, Dual Core, uFCPGA: i7-2620M, 2.70GHz (Turbo up to 3.40GHz), 4MB L3 Cache, 4 threads, 35W i7-2640M, 2.80GHz (Turbo up to 3.50GHz), 1333, 4MB L3 Cache, TJ100, 35W	*	*	*
	2nd Generation Intel® Core™ i7 Processor, Sandy Bridge, Quad Core, uFCPGA: i7-2630QM, 2.00GHz (Turbo up to 2.90GHz), 1333, 6MB L3 Cache, 45W i7-2670QM, 2.20GHz (Turbo up to 3.10GHz), 6MB L3 Cache, 45W i7-2720QM, 2.20GHz (Turbo up to 3.30GHz), 6MB L3 Cache, 8 threads, 45W i7-2760QM, 2.40GHz (Turbo up to 3.50GHz), 6MB L3 Cache, TJ100, 45W i7-2820QM, 2.30GHz (Turbo up to 3.40GHz), 8MB L3 Cache, 8 threads, 45W i7-2860QM, 2.50GHz (Turbo up to 3.60GHz), 8MB L3 Cache, TJ100, 45W	*	*	*
Chipset	Intel Huron River Mobile Intel® QM67 chipset	√	√	√
Graphics	AMD FirePro™ M3900 w/ 1 GB gDDR3 900 MHz	N	**	**
Panels	Supports privacy filter <u>Supports 16:9 aspect ratio:</u> 14.0 HD AG LED SVA (1366x768) 14.0 HD+ AG LED SVA (1600x900)	*	*	*
		√	√	√
		√	√	*
Memory	<u>System Supports the following configurations:</u> 1333 MHz: (DDR3) 2048MB Total System Memory (2048MB x 1) 3072MB Total System Memory (2048MB + 1024MB) 4096MB Total System Memory (2048MB x 2) 4096MB Total System Memory (4096MB x 1) 6144MB Total System Memory (4096MB + 2048MB) 8192MB Total System Memory (4096MB x 2) 8192MB Total System Memory (8192MB x 1) 16384MB Total System Memory (8192MB x 2)	*	√	√
		*	*	√
		*	*	*
		*	*	*
		*	*	*
		*	*	*
		*	√	*
		*	*	*
		√	√	*
Primary Storage	SATA, 7mm or 9.5mm, 2.5" HDDs: 250GB 7200rpm 320GB 7200rpm 320GB 7200rpm Self Encrypting Drive SATA, 9.5mm, 2.5" HDDs: 500GB 7200rpm 750GB 7200rpm 2.5" SSD 120GB 128GB 160GB 256GB 256GB SED	√	√	√
		*	*	*
		*	*	*
		√	√	*
		√	√	*
		*	*	*
		*	*	*
		*	*	*
		*	*	*
		*	*	*
Upgrade Bay	12.7mm SATA Optical: DVD-ROM (defeatured combo) DVD+/-RW SuperMulti DL Blu-ray ROM DVD+/-RW SuperMulti DL Blu-ray R/RE DVD +/-RW SuperMulti DL Drive Serial ATA, 9.5mm, 2.5" HDDs: 500GB 7200rpm Supports "No Drive" option	√1	√1	√1
		√1	√1	√1
		√1	√1	√1
		√1	√1	√1
		√1	√1	√1
		√	√	√
		√	√	√
Audio/Visual	HD Audio with SRS Premium Sound Integrated microphone (Dual Array) Integrated Camera (720p HD) Stereo Speakers (2)	√	√	√1
		N	√	√
		N	√	√
		√	√	√
Modem	56k v.92 MDC data/fax modem: modem (Guzzi-F)	N	N	**
Ethernet	Intel 82579LM (Lewisville) 10/100/1000 Ethernet, with iAMT	N	√	**
Wireless Networking	WPAN Bluetooth: Integrated Bluetooth 2.1 (SoftBreeze) WLAN:	N	√	√

	<u>Integrated WLAN options via Minicard:</u> Broadcom 802.11 b/g/n 1x1 (Shiraz) Broadcom 802.11 a/b/g/n 2x2 (Claret2) Atheros 802.11 a/b/g/n 3x3 (Madeira) Intel Centrino Advanced N 6205, 2x2 a/b/g/n (Taylor Peak) Intel Centrino Ultimate-N 6300, 3x3 a/b/g/n (Puma Peak) <u>WWAN:</u> (see WWAN tab for carrier/country/image details) <u>SIM Module:</u> (user Accessible behind battery) Qualcomm Gobi 3000 HSPA/CDMA with GPS (Warthog A-10) Ericsson 5521 HSPA+ (Sonic) Stinger LTE	√ √ √ √ √	** ** 2 √ √	** ** ** ** **
External Card Expansion	Express Card - 54mm Integrated SD flash media slot SD, MMC	√ √	√ √	√ √
Input / Output	<u>VGA (Dsub 15 pin) supporting:</u> (1) USB 2.0 Charging Port (1) eSATA/USB 2.0 Combo Port (2) USB 3.0 Port 1394a (1) RJ-11 / Modem RJ-45 / Ethernet Docking connector Secondary battery connector Headphone / Line out (stereo) Microphone Input (stereo) DisplayPort 1.2 Multi-Pin AC Port	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √	√ √ √ √4 √3 ** ** ** * √ √ √ √ √ √ √
Keyboard	<u>Keyboard:</u> Dual Point <u>Touchpad:</u> On/Off button	√ √	√ **	√ √
Power Requirements	3-cell Li-Ion 31 WHr (2.8 Ahr) 6-cell Li-Ion 62 WHr (2.8 Ahr) 6-cell HP Long Life Li-Ion 55 WHr (2.8 Ahr) 9-cell Li-Ion 100 WHr (3.0 Ahr) Support for 9-cell 73Whr Polymer Battery, HP ST09 Extended Life Battery Support for 9-cell 100Whr 3.0Ahr Cylindrical Battery, HP BB09 Ultra-Capacity Extended HP Fast Charge Technology AC adapter with localized cable plug support	* √ * * * * * √	* √ * * * * * √	* √ * * * * * √
Security	Support Security Lock TPM 1.2 (Infineon; soldered down) & TPM Enhanced Drive Lock Fingerprint Reader Integrated Smart Card Reader (Active) Full volume encryption Preboot Authentication (Password, Smart Card)	√ √ √ *** √ √	√ √ ** *** √ √	√ √ ** *** √ √

Notes:

- √ Supported and tested
- * Supported but not tested
- ** Supported using HP provided driver
- *** OS native supported
- 1 DVD and Bluray support is limited to data only
- 2 Supported with RHEL 6.2 or higher
- ∄ Not supported; Driver not available
- 3 No S3/S4 Support
- 4 Some Functionality depends on the device.