Technical Specifications

HP EliteDisplay E243d 23.8-inch Docking Monitor
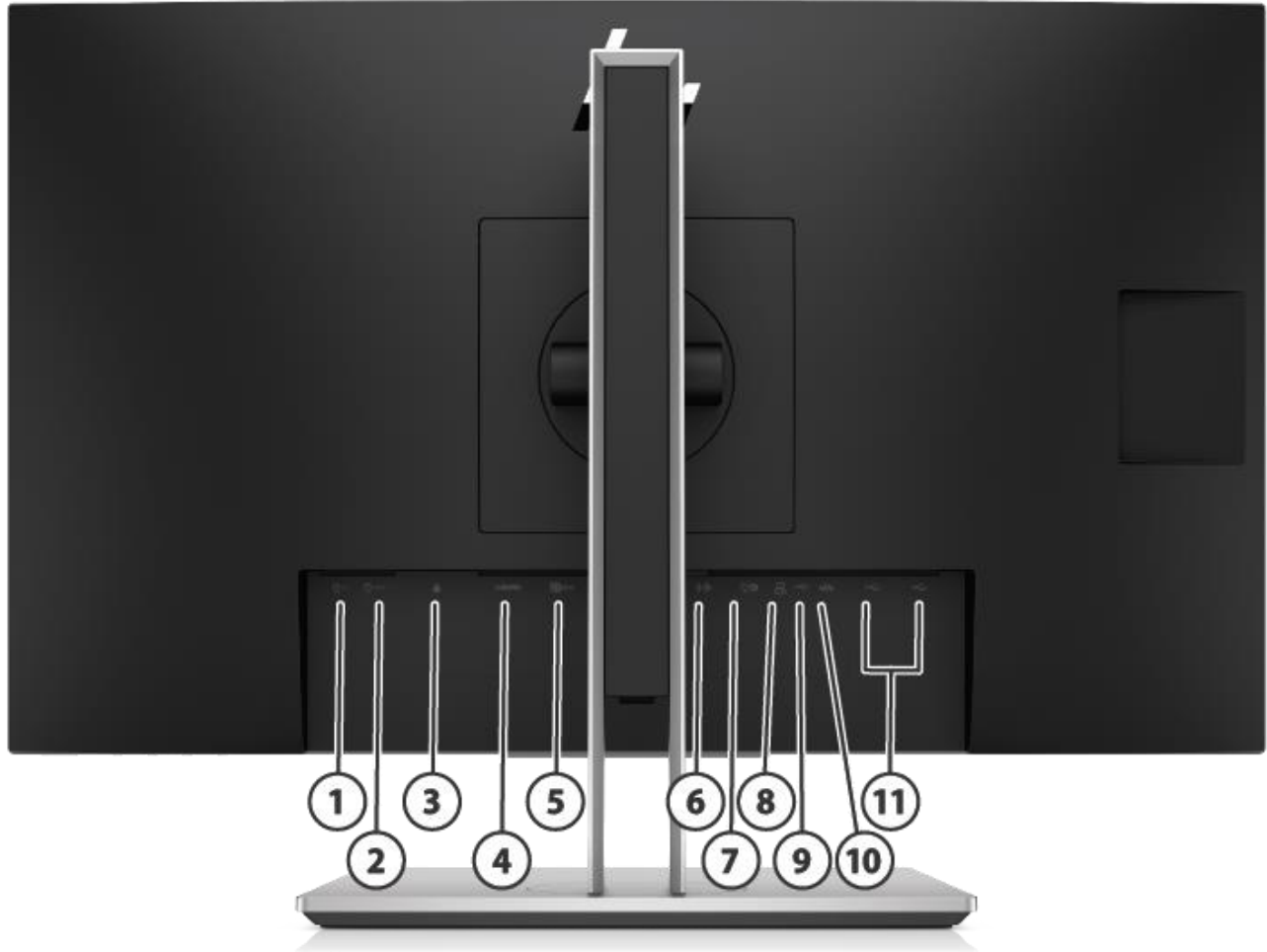

Front

1. Camera microphones
2. Camera Light
3. Camera

4. Menu button
5. Function buttons
6. Power button (with power light)

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Back
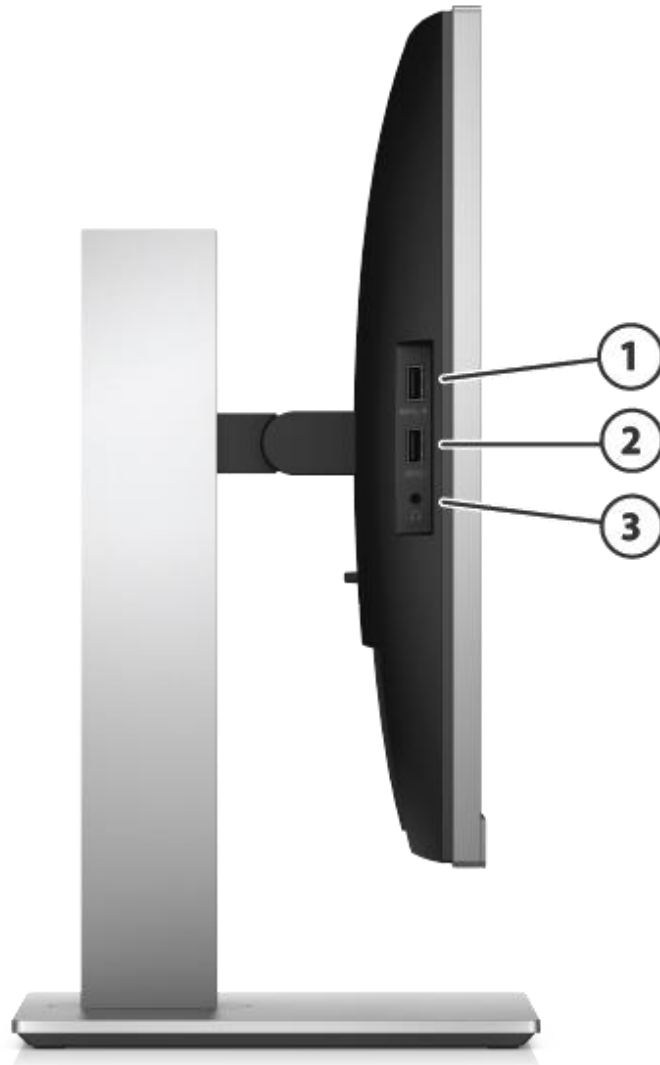
1. DC Power IN connector
2. DC Power OUT connector
3. Security cable slot
4. HDMI port
5. DisplayPort™ 1.2 OUT port
6. VGA port

7. Audio-in jack
8. USB Type-C™ port
9. USB Type-B™ port
10. Network jack
11. USB Type-A ports (2)

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Side View

1.	USB Type-A ports (Fast charge, 7.5W)	**3.**	Audio-out (headset) jack
2.	USB Type-A port (standard)		

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Models: 1TJ76AA/1TJ76A8/1TJ76AC/1TJ76AT/1TJ76AS/1TJ76U9

Panel Specifications		
	Display Size (Diagonal)	23.8 in
	Display Panel Type	IPS w/LED backlight
	Micro-Edge Bezel	Yes, 3-sided
	Native Resolution/Timing	1920 x 1080 @60 Hz
	Native Resolution Note	The video card of the connected PC must be capable of supporting 1920 x 1080 at 60 Hz and include 1 HDMI or 1 VGA or USB TYPC DP ALT MODE to drive the monitor at the Preferred Mode.
	Panel Bit Depth	8 Bit (6 Bit + A-FRC)
	Aspect Ratio	16:9
	Brightness - Typical	250 cd/m²
	Static Contrast Ratio - Typical	1000:1
	Static Contrast Ratio - Minimum	700:1
	Dynamic Contrast Ratio (DCR)	5,000,000:1
	Pixel Pitch	0.2745 x 0.2745 mm
	Pixels Per Inch (PPI)	92.56
	Backlight Lamp Life (to half brightness - in hours)	30k minimum
	Anti-Glare Panel	Yes
	Response Time - Typical	7ms (GTG)
	Horizontal Viewing Angle (typical CR>10)	178°
	Vertical Viewing Angle (typical CR>10)	178°
	Panel Active Area (w x h)	527.04 (H) ×296.46 (V)
	Preset Graphic Modes/Supported Resolutions	640×480 @59.940Hz 720×400 @70.087Hz 800×600 @60.317Hz 1024×768 @60.004Hz 1280×720 @60Hz 1280×800 @59.810Hz 1280×1024 @60.020Hz 1440×900 @59.887Hz 1600×900 @60Hz 1680×1050 @59.954Hz 1920×1080 @60Hz
	Maximum Resolution	1920 x1080 @60Hz
	Recommended Resolution	1920 x1080 @60Hz
	Vertical Scan Range	50 - 60 Hz
	Horizontal Scan Range	30 - 80 kHz
	Default Color Temperature	Neutral (6500K)
	Maximum Pixel Clock Speed	170Mhz

* All Performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

Color Gamut Coverage		
	NTSC	72%
	sRGB	94%

Color Management		
	Color Space / Subsampling Support	RGB 4:4:4, YC$_B$C$_R$ 4:4:4, YC$_B$C$_R$ 4:2:2
	Default Color Temperature	Neutral (6500K)
	Low Blue Light Modes	Yes
	RGB Channel Adjust	Yes, Gain

Monitor Specifications		
	Exterior Color of Monitor Bezel and Stand	Asteroid in bezel and bucket frame and Jack black in stand

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	Plug & Play	Yes
	Tilt	-5 TO +23 DEGREES
	Swivel	Yes, 45°
	Pivot	Pivot (CW & counter CW). Detent at 0 degrees
	Height Adjustment Range	Yes,150 mm
	VESA Mounting	Yes, 100 mm with integrated mount or with included bracket
	Security Lock Ready	Yes
	Detachable Base	Yes, ships detached
	Warranty	3-0-0 NA/BZL
		3-3-0 TW/EMEA/ANZ/JPN/VIET
		3-3-3 KOR/INDIA/PRC
Multimedia	Webcam	Yes, 720p
	Microphone	Yes, 2
On Screen Display (OSD)	On Screen Display User Controls	Brightness, Contrast, Color Control, Input Control, Image Control, Power control, Menu Control, Management, USB Host Selection, Information, EXIT
	User Programmable Modes	Yes, 10
	Monitor Control Buttons or Switches	Menu, Minus ("-")/Information, Plus ("+")/Viewing Modes, Back/Next Active Input, Power
	User-Assignable Function Buttons	Yes, 3 (8 options)
	Languages	10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese).
Connector Types	DisplayPort™	1 DisplayPort™ 1.2 out
	HDMI	1, HDMI 1.4 IN
	VGAul	1, VGA IN
	HDCP support	Yes, (USB-C™ Video and HDMI)
	Audio Output	1, Analog
	Audio Input	1, Analog
	Ethernet	Yes
Power & Operating Specs	USB Version	USB 3.1 Gen 1
	USB Hub	Yes
	Downstream Ports	4 Ports
	Upstream Ports	2 Ports (Type-C & Type-B)
	Fast Charging USB Ports	1 Port (Upper, on side)
	Power Output Maximum	Fast Charging: up to 7.5W; Standard up to 4.5W; up to 90W on DC OUT port*
USB-Type C™ Port Specifications	USB-Type C™ Version	USB 3.1 Gen1 / 5G bps
	Upstream USB-Type C™ Ports	1 Port
	Video Support	USB-C™ DP Alt mode – DisplayPort™ 1.2
	Power Output	5V/9V/10V/12V/15V/20V
	Power Output Maximum	65W Max

*NOTE: Only one host PC should be connected to either USB Type-C™ port or DC OUT port for Power pass through. Connecting two Host PCs to the HP EliteDisplay E243d 23.8-inch Docking Monitor may result in system shutdown, loss of power, and the need to power-cycle the monitor's AC supply.

Special Features	User Presets	Yes

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Power and Operating Specs	Power Supply	External
	Power Source	100–240 VAC 50/60 Hz
	Power Consumption - Maximum	155 W (without DC power out, with power delivery)
	Energy Saving/Standby Mode	0.5W
	Power Consumption - Typical	38 W
	Power cable length	1830mm: 398062-001,150304-008,130627-008,121565-001,285052-001,100613-008,286496-001,109197-008,653326-001,438723-001,393312-001 2500mm: 187487-001,100661-001,401328-001 1800mm: 100614-009 2000mm: 403440-001
EU Energy Efficiency Class (ERP lot-5)	On-mode Power Consumption	29W
	Annual Power Consumption	42 kWh
	Energy Efficiency Class	F
	Visible Screen Size	23.8"/60,5cm
Operating Conditions	Operating Temperature - Celsius	5° - 35°C
	Operating Temperature - Fahrenheit	41° - 95°F
	Non-operating Temperature - Celsius	-20° - 60°C
	Non-operating Temperature - Fahrenheit	-4° - 140°F
	Operating Humidity	20% - 80% (non-condensing)
	Non-operating Humidity	5% - 95%
	Operating Altitude	0 - 5,000 m (16,400 ft.)
	Non-operating Altitude	0 - 12.192 m (40,000 ft.)
Environmental Features and Certifications	Mercury-free LED display backlights	Yes, Mercury-free LED backlights
	Arsenic-Free Display Glass	Yes
	Low Halogen**	Yes GSE HP-00011-01B, table 2 defines low-halogen (BFR, CFR, PVC)
	Agency Approvals and Certifications	WW application CE,CB,KC/KCC/NOM/PSB/ICE/ISO 9241-307/ EAC/UL/cTUVus/PSB/ISC/CCC/CEL/ISC/VCCI/FCC/BSMI/Vietnam MEPS/Australian-New Zealand MEPS/WEEE
	Microsoft WHQL Certification	Win 10, Win 8.1, Win 7
	China Energy Label	CEL Grade 3
	SmartWay Transport Partnership - NA only	Yes (NA SKU)

**External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.

Contains Recycled Plastics	Contains Recycled Plastics in Back Cover	0.85
	Contains Recycled Plastics in Base/Stand	0.85
	Contains Recycled Plastics in Other Parts	85% (Deco, Middle Frame)
	Recyclable Plastics	All
	Recyclable Packaging (Box, packing materials)	All

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		Metric	**Imperial**
Unit Product/Package Specifications	**Product Dimensions** (Unpacked with stand) (W x D x H)	53.88 x 20.5 x 46.3 cm	21.21 x 8.07 x 18.23 in
	Product Dimensions (packed) (W x D x H)	62.0 x 40.0 x 27.3 cm	24.41 x 15.75 x 10.75 in
	Display Head Dimensions (Unpacked without stand) (W x D x H)	53.88 x 4.535 x 32.19 cm	21.21 x 1.79 x 12.67 in
	Base Area Footprint (W x D x H)	236.99 x 205.00 mm	9.39 x 8.07 in
	Bezel Measurements	Top: 1.36 mm Side: 1.36 mm Bottom: 18.56 mm	Top: 0.054 in Side: 0.054 in Bottom: 0.73 in
	Product Weight (Packed)	9.72kg	21.43lbs
	Product Weight (Head Only)	3.77kg	8.31lbs
	Pallet Dimensions (L x W x H)	G-1: 1250L x 1110W x 2022H (mm) G-2: 1110L x 630W x 2022H (mm)	G-1: 49.21L x 43.7W x 79.61H (mm) G-2: 43.7L x 24.8W x 79.61H (mm)
	Pallet Total Weight (L x W x H)	G-1:408.8 kg G-2:214.4 kg	G-1:901.25 lbs G-2:472.67 lbs
	Pallet Layers	5	
	Pallet Product per Layer	G-1:8 G-2:4	
	Total Products per Pallet	G-1:40 G-2:20	
	Container Load, 20-Foot	360units	
	Container Load, 40-Foot	760units	
	Container Load, 40-Foot HighQ	912units	
Software	**Software available on HP Support website**	DisplayLink USB Driver Software Monitor INF/ICM Software HP Display Assistant	
What's in the box?		AC power cord (1.83m) 6.0 ft USB C-C cable (1.8m) 5.9 ft USB A-B Cable (1.8m) 5.9 ft HDMI cable (1.8m) 5.9 ft DC-DC Cable (1.8m) 5.9 ft DC Jack Dongle (7.4mm to 4.5mm) External power supplier (180W) QSP Product notice	
User Guide and Warranty Languages	**User Guide Languages**	English, Arabic, S. Chinese, T. Chinese, Czech, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Kazakh, Korean, Norwegian, Polish, Brazilian Portuguese, Russian, Slovenian, Spanish, Swedish and Turkish.	
	Warranty Languages	English, Arabic, S. Chinese, T. Chinese, Czech, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Kazakh, Korean, Norwegian, Polish, Brazilian Portuguese, Russian, Slovenian, Spanish, Swedish and Turkish.	

Dynamic Contrast Ratios* during video playback only, depending on series of frames or time duration.
All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

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Environmental Data	Eco-Label Certifications & declarations	This product has received or is in the process of being certified to the following approvals and may be labeled with one or more of these marks: • IT ECO declaration • EPEAT® Not Applicable registered in the United States. See http://www.epeat.net for registration status in your country. Search keyword generator on HP's 3rd party option store for solar energy accessory at http://www.hp.com/go/options.		
	Energy Consumption (in accordance with US ENERGY STAR® test method)	**115VAC, 60Hz**	**230VAC, 50Hz**	**100VAC, 50Hz**
	Normal Operation	24 W	22.3 W	Not Applicable
	Sleep	0.33 W	0.38 W	Not Applicable
	Off	0.28 W	0.33 W	Not Applicable
	Heat Dissipation*	**115VAC, 60Hz**	**230VAC, 50Hz**	**100VAC, 50Hz**
	Normal Operation	82 BTU/hr	76 BTU/hr	Not Applicable
	Sleep	1 BTU/hr	1 BTU/hr	Not Applicable
	Off	1 BTU/hr	1 BTU/hr	Not Applicable
		*NOTE: Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.		
	Additional Information	• This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive - 2002/95/EC. • This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive – 2002/96/EC. • This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986). • This product is in compliance with the IEEE 1680 (EPEAT) standard at the <Not Applicable> level, see www.epeat.net • Plastics parts weighing over 25 grams used in the product are marked per ISO 11469 and ISO1043. • This product contains 36% post-consumer recycled plastic (by wt.) according to the EPEAT 2.0 IEEE 1680.1-2018 standard • This product is 98.1% recycle-able when properly disposed of at end of life.		
	Packaging Materials	**External:**	PAPER/Corrugated	1715 g
			PAPER/Paperboard	20 g
			PAPER/Paper	280 g
			COMPOSITE/paper/carton+plastic	3 g
		Internal:	PLASTIC/Other	1 g
			PLASTIC/Polyethylene high density - HDPE	16 g
			PLASTIC/Polyethylene low density - LDPE	9 g
			PLASTIC/Polystyrene Expanded - EPS	594 g

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		PLASTIC/Polyester - PET	16 g
	RoHS Compliance	HP, Inc. is committed to compliance with all applicable environmental laws and regulations, including the European Union Restriction of Hazardous Substances (RoHS) Directive. HP's goal is to exceed compliance obligations by meeting the requirements of the RoHS Directive on a worldwide basis. By July 1, 2006, RoHS substances will be virtually eliminated (virtually = to levels below legal limits) for all HP electronic products subject to the RoHS Directive, except where it is widely recognized that there is no technically feasible alternative (as indicated by an exemption under the EU RoHS Directive).	
	Material Usage	This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/gse.pdf): • Asbestos • Certain Azo Colorants • Certain Brominated Flame Retardants – may not be used as flame retardants in plastics • Cadmium • Chlorinated Hydrocarbons • Chlorinated Paraffins • Formaldehyde • Halogenated Diphenyl Methanes • Lead carbonates and sulfates • Lead and Lead compounds • Mercuric Oxide Batteries • Nickel – finishes must not be used on the external surface designed to be frequently handled or carried by the user. • Ozone Depleting Substances • Polybrominated Biphenyls (PBBs) • Polybrominated Biphenyl Ethers (PBBEs) • Polybrominated Biphenyl Oxides (PBBOs) • Polychlorinated Biphenyl (PCB) • Polychlorinated Terphenyls (PCT) • Polyvinyl Chloride (PVC) – except for wires and cables, and certain retail packaging has been voluntarily removed from most applications. • Radioactive Substances • Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)	
	Packaging	HP follows these guidelines to decrease the environmental impact of product packaging: • Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials. • Eliminate the use of ozone-depleting substances (ODS) in packaging materials. • Design packaging materials for ease of disassembly. • Maximize the use of post-consumer recycled content materials in packaging materials. • Use readily recyclable packaging materials such as paper and corrugated materials. • Reduce size and weight of packages to improve transportation fuel efficiency.	

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		• Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.
	End-of-life Management and Recycling	Hewlett-Packard offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: http://www.hp.com/go/reuse-recycle or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner. The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: http://www.hp.com/go/recyclers. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.
	HP, Inc. Corporate Environmental Information	For more information about HP's commitment to the environment: Global Citizenship Report http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html Eco-label certifications http://www.hp.com/hpinfo/globalcitizenship/environment/productdesign/ecolabels.html ISO 14001 certificates: http://h20195.www2.hp.com/V2/GetDocument.aspx?docname=c04755842 and http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/cert.pdf

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Change Log	
V1 to V2 May 7, 2019	Added Environmental Section
V2 to V3 February 23, 2021	Techspecs updated
V2 to V3 September 14, 2021	Updated Pallet Dimensions