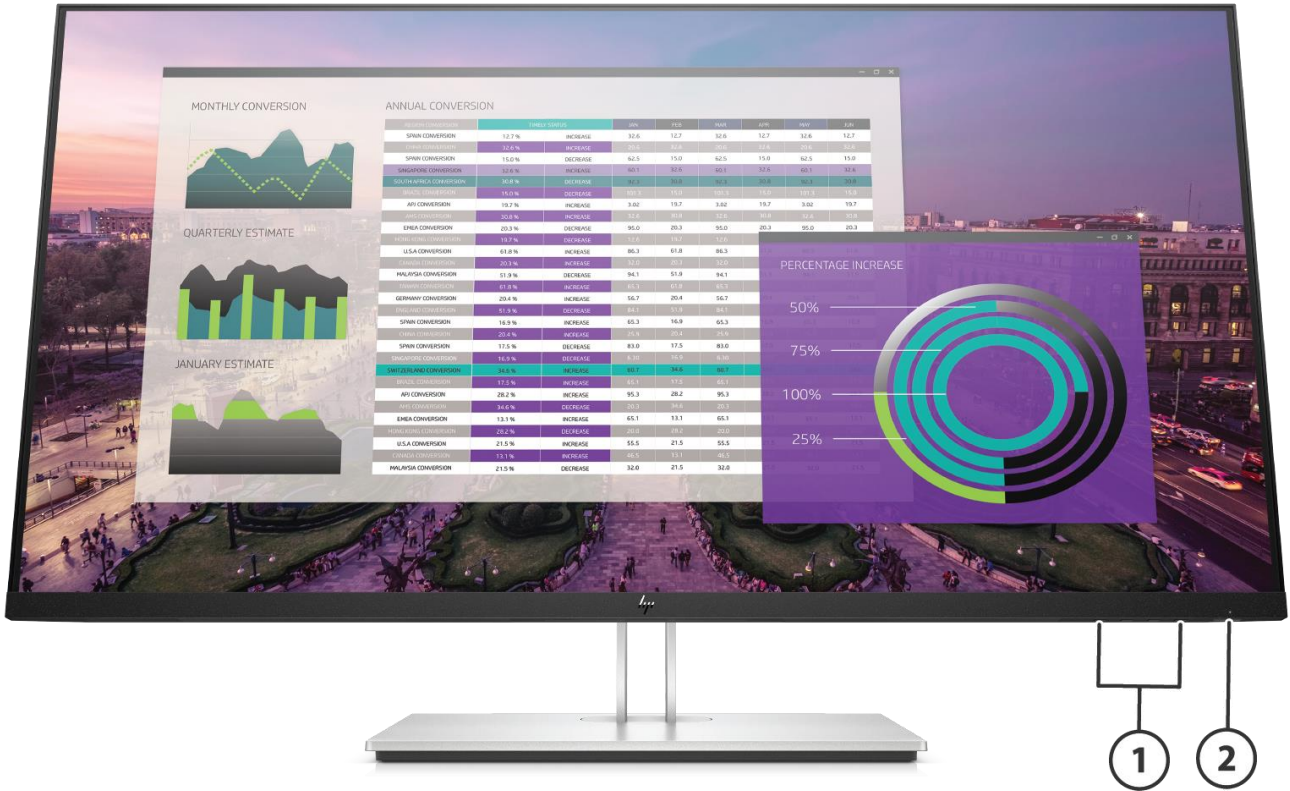*Technical Specifications*

HP EliteDisplay E324q 31.5-inch QHD Monitor
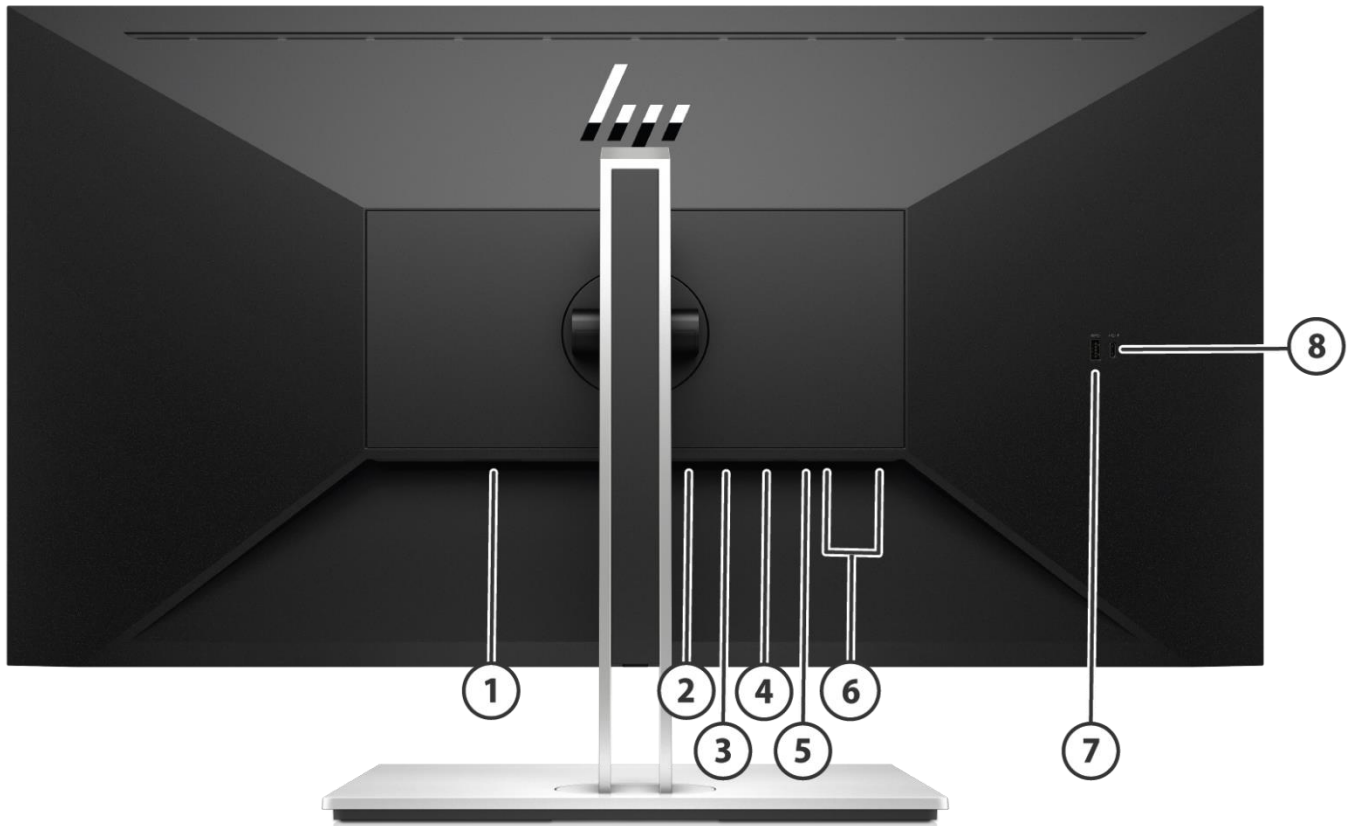

Front

1. Function Buttons   **2.** Power Button

Technical Specifications

HP EliteDisplay E324q 31.5-inch QHD Monitor

Back

1.	Power Connector	**5.**	USB Type-B™
2.	HDMI Port	**6.**	USB Type-A™
3.	DisplayPort™	**7.**	USB Type-A™
4.	USB Type-C™ Supporting DisplayPort™ Alternate Mode	**8.**	USB Type-C™ Supporting Data Only

Technical Specifications

Model: 5DP31AA

Panel Specifications	Display Size (Diagonal)	31.5-in
	Display Panel Type	VA
	Micro-Edge Bezel	Yes, 3-sided
	Curved Panel	N/A
	Native Resolution/Timing	2560 x 1440 @ 60 Hz
	Native Resolution Note	DisplayPort™ 1.2 or HDMI 1.4 required to drive panel at its native resolution
	Panel Bit Depth	8-bit
	Aspect Ratio	16:9
	Brightness - Typical	350 cd/m²
	Static Contrast Ratio - Typical	3000:1
	Static Contrast Ratio - Minimum	2000:1
	Dynamic Contrast Ratio (DCR)	5,000,000:1
	Flicker Free	Yes
	Pixel Pitch	0.2724 x 0.2724 mm
	Pixels Per Inch (PPI)	93.24
	Backlight Lamp Life (to half brightness - in hours)	30k minimum
	Anti-Glare Panel	Yes
	Response Time - Typical	7ms Gray to Gray
	Horizontal Viewing Angle (typical CR>10)	178°
	Vertical Viewing Angle (typical CR>10)	178°
	Panel Active Area (w x h)	697.344 x 392.256 mm
	Preset Graphic Modes/Supported Resolutions	640 x 480 @ 60Hz
		720 x 400 @ 70 Hz
		800 x 600 @ 60 Hz
		1024 x 768 @ 60 Hz
		1280 x 720 @ 60 Hz
		1280 x 800 @ 60 Hz
		1280 x 1024 @ 60 Hz
		1440 x 900 @ 60 Hz
		1600 x 900 @60HZ
		1600 x 1200@60HZ
		1680x1050 @ 60Hz
		1920 x 1080 @ 60 Hz
		1920 x 1200@60HZ
		2560 x 1440 @ 60 Hz
	Maximum Resolution	2560 x 1440 @ 60 Hz
	Recommended Resolution	2560 x 1440 @ 60 Hz
	Vertical Scan Range	50-60 Hz
	Horizontal Scan Range	30-90 Hz
	Default Color Temperature	Standard (6500K)
	Maximum Pixel Clock Speed	250 MHz
Color Gamut Coverage	NTSC	72%
Color Management	Factory Color Calibrated	Warm/Neutral/Cool/Low Blue Light/Reading/Night
	Factory Color Presets	Neutral
	Color Space / Subsampling Support	RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2
	Default Color Temperature	Natural
	Low Blue Light Modes	Yes

Technical Specifications

	RGB Channel Adjust	Yes, RGB Gain
Monitor Specifications	**Exterior Color of Monitor Bezel and Stand**	Sparking Black and Pike Silver
	Plug & Play	Yes
	Tilt	Yes -5° to +20°
	Swivel	Yes -30 to +30
	Pivot	Yes
	Height Adjustment Range	Yes, 20 to 170mm
	VESA Mounting	Yes, 100 mm with integrated mount or with included bracket
	Security Lock Ready	Yes
	Detachable Base	Yes, ships detached
	Warranty	3/3/3
On Screen Display (OSD)	**On Screen Display User Controls**	Brightness, Contrast, Color, Image, Input, Power, Menu, Management, USB Host, Information, Exit
	User Programmable Modes	Yes, 10
	Monitor Control Buttons or Switches	Power, Menu/OK, Minus ("-"), Plus ("+"), Exit("X")/Return
	User-Assignable Function Buttons	Yes, 3 (7 options)
	Languages	10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
Connector Types	**DisplayPort™**	1, DisplayPort™ 1.2
	HDMI	1, HDMI 1.4
	USB Type-C™	1, USB-C™ supporting Alt Mode (DisplayPort™ 1.2)
	HDCP support	Yes, (DisplayPort and HDMI)
USB Port Specifications	**USB Version**	3.1
	USB Hub	Yes
	Downstream Ports	3
	Upstream Ports	1 USB-B
	Fast Charging USB Ports	Yes, with dynamic power management
USB-Type C™ Port Specifications	**Downstream USB-Type C™ Ports**	1
	Upstream USB-Type C™ Ports	1
	Video Support	Yes
	Power Output	15W
	Power Output Maximum	15W
Power and Operating Specs	**Power Supply**	Internal
	Power Source	100 to 240 VAC
	Power Consumption - Maximum	95W
	Energy Saving/Standby Mode	0.3W
	Power Consumption - Typical	55W
	Power cable length	1.9 m
Energy Star Data	**Operational Mode at 100 VAC**	24.83
	Operational Mode at 115 VAC	1.12
	Operational Mode at 230 VAC	0.12
EU Energy Efficiency Class (EC1062)	**On-mode Power Consumption (EC 1062/2010)**	37W
	Annual Power Consumption (EC 1062/2010)	55W

QuickSpecs

Technical Specifications

	Energy Efficiency Class (EC 1062/2010)	A
	Visible Screen Size	31.5"
Operating Conditions	**Operating Temperature - Celsius**	5°C ~ 35°C
	Operating Temperature - Fahrenheit	41°C~95°F
	Non-operating Temperature - Celsius	−20° ~ 60°C
	Non-operating Temperature - Fahrenheit	29° ~ 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 backlighting**	Yes, Mercury-free LED backlighting
	Arsenic-Free Display Glass	Yes
	Low Halogen	Yes GSE HP-00011-01B, table 2 defines low-halogen (BFR, CFR, PVC) NOTE: External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
	Agency Approvals and Certifications	WW application CE,CB,KC/KCC/ICE/TUV-S/ISO 9241-307/ EAC/UL/PSB/ISC/CCC/CEL/CECP/SEPA/TCO/TCO Certified Edge/Energy Star/ISC/VCCI/FCC/BSMI/WEEE/GS/Low Blue Light/BIS
	Microsoft WHQL Certification	Win 10, Win 8, Win 7
	ENERGY STAR® Qualified	Yes, ENERY STAR® 7
	EPEAT® Registered **Regions need to verify by country**	EPEAT® Silver NOTE: EPEAT® Silver registered in most countries. See http://www.epeat.net for registration status by country.
	China Energy Label	CEL Grade 1
	TCO Certified Edge	Yes
	TCO Certified	Yes
	SmartWay Transport Partnership - NA only	Yes (NA SKU)
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	Yes
	Recyclable Plastics	WAM ABS GA85
	Recyclable Packaging (Box, packing materials)	100% recyclable fiber packaging

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

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Technical Specifications

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

*DisplayPort 1.2 or HDMI 1.4 required to drive panel at its native resolution

		Metric	**Imperial**
Unit Product/Package Specifications	**Product Dimensions** (Unpacked with stand) (W x D x H)	71.4x24.04x43.94 cm 71.4x24.04x58.94 cm	28.1x9.46x17.3 in 28.1x9.46x23.2 in
	Product Dimensions (Packed) (W x D x H)	82.8 x 52.8 x 22.8 cm	32.60 x 20.79 x 8.98 in
	Display Head Dimensions (Unpacked without stand) (W x D x H)	71.4 x 4.75 x 41.94 cm	28.1 x 1.87 x 16.51 in
	Product Weight (Unpacked with stand) (W x D x H)	10.3 kg	22.71 lb
	Product Weight (Packed) (W x D x H)	16.1 kg	35.5 lb
	Product Weight (Head only) (W x D x H)	6.28 kg	13.85 lb
	Base Area Footprint	300.23 x 240.43 mm	11.81 x 9.46 in
	Bezel Measurements	Bottom 16.4 mm	Bottom 0.646 in
Pallet Information	**Pallet Dimensions** (W x D x H)	1150 x 840 x 2241mm	45.28 x 33.07 x 88.23 in
	Pallet Weight (W x D x H)	343 kg	755.5 lbs
	Pallet Layers	4	
	Pallet Product per Layer	5	
	Total Products per Pallet	20	
	Container Load, 20-Foot	280 units	
	Container Load, 40-Foot	560 units	
	Container Load, 40-Foot HighQ	560 units	

	Description	**Part Number**
Recommended Accessories*	HP B300 PC Mounting Bracket	2DW53AA
	HP S101 Speaker Bar	5UU40AA
	HP Quick Release Bracket	EM870AA
	HP Single Monitor Arm	BT861AA
	HP Business PC Security Lock v3 Kit	3XJ17AA

*Sold separately and availability may vary by country

Software included	HP Display Assistant
What's in the box?	AC power cord (1.9m) 6.2 ft USB B-to-A data cable (1.8m) USB C-to-C data cable (1.8m) DP Cable (1.8m) HDMI Cable (1.8m)
Other	**User Guide Languages** English, S. Chinese, T. Chinese, Bahasa Indonesia, Japanese, Korean, French, Spanish, B. Portuguese, Danish, Dutch, Russian, Slovak, Turkish, Arabic, Lithuanian, Romanian, Finnish, German, Hebrew, Italian, Norwegian, Swedish, Czech, Greek, Hungarian, Polish, Portuguese, Iberian, Kazakh, Slovenian, Ukrainian, Bulgarian, Latvian

Technical Specifications

Warranty Languages	English, S. Chinese, T. Chinese, Bahasa Indonesia, Japanese, Korean, French, Spanish, B. Portuguese, Danish, Dutch, Russian, Slovak, Turkish, Arabic, Lithuanian, Romanian, Finnish, German, Hebrew, Italian, Norwegian, Swedish, Czech, Greek, Hungarian, Polish, Portuguese, Iberian, Kazakh, Slovenian, Ukrainian, Bulgarian, Latvian

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.

Technical Specifications

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Technical Specifications

Change Log			
	V1 to V2		