Technical Specifications

HP Engage 14 FHD Monitor
HP Engage 14t FHD Monitor

Front

Technical Specifications

Models: 42C50AA; 42C90AA

Panel Specifications	**Display Size (Diagonal)**	14 inches
	Panel Technology	VA
	Max Refresh Rate	60 Hz
	Native Resolution	1920 x 1080
	Panel Bit Depth	8 bit
	Aspect Ratio	16:9
	Brightness (Typical)	400 nits
	Contrast Ratio (Static)	800:1
	Pixel Pitch	0.161
	Pixels Per Inch (PPI)	157 PPI
	Backlight Lamp Life Minimum (To Half Brightness - In Hours)	50,000
	Backlight Type	Edge-lit
	Screen Treatment	Anti-glare
	Hardness	3H
	Response Time (Typical)	25ms on/off
	Horizontal Viewing Angle (Typical CR>10)	178°
	Vertical Viewing Angle (Typical CR>10)	178°
	Panel Active Area Metric (W x H)	30.93 x 17.40
	Panel Active Area Imperial (W x H)	12.17 x 6.85

NOTE: 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%
Color Management	**Color Space/ Subsampling Support**	RGB 4:4:4
	RGB Channel Adjust	Yes, Gain
	Default Color Temperature	Neutral (6500K)
Monitor Specifications	**Bezel Type**	4-sided Micro Edge
	Color Of Stand	Black
	Color Of Head	Black
	Tilt	from 25° to 90°
	VESA Mounting	100 mm x 100 mm (bracket included)
	Detachable Stand	Yes
	Security Lock Ready	Standard Security Lock Slot
	Detachable Stand	Yes
	LOW BLUE LIGHT	Yes, EyeSafe (TÜV certified)
	Touch Technology	Projected Capacitive technology
Multimedia	**Webcam**	5M resolution (2592 x1944), IR, RGB
	Microphone	Yes
	Speaker Output Power	2 x 1.5W
	Display Software	HP Display Center
On Screen Display (OSD)	**Native Resolution**	Full HD (1920 x 1080)*
		*Apply to high resolution and/or high frame rate displays only. CONFIRM WITH EPM whether disclaimer applies.
	Maximum Resolution	1920x1080@60Hz
	Preset Graphic Modes/Supported Resolutions	640 x 480 @ 60Hz
		720 x 400 @ 70Hz
		800 x 600 @ 60 Hz

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		1024 x 768 @ 60 Hz
		1280 x 720 @ 60 Hz
		1280 x 800 @ 60Hz
		1280 x 1024 @ 60 Hz
		1366 x 768 @ 60 Hz
		1440 x 900 @ 60 Hz
		1600 x 900 @ 60 Hz
		1600 x 1200 @ 60 Hz
		1680 x 1050 @ 60 Hz
		1920 x 1080 @ 60 Hz
	Minimum Vertical Scan Rate	50 Hz
	Maximum Vertical Scan Rate	76 Hz
	Minimum Horizontal Scan Rate	30.0 kHz
	Maximum Horizontal Scan Rate	80.0 kHz
	Maximum Pixel Clock	170.0 MHz
	User-Assignable Function Buttons	Yes, 3 (7 options)
	Audio	Built-in speakers
	Languages	10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
Connector Types	**HDCP**	Yes, Type-C Alt mode DP
	USB-C® Video Input	1 USB-C® (DisplayPort™ 1.2, power delivery input 27W)
Special Features	**SWITCH**	Menu, Minus, ("-"), Plus ('+'), Exit, Power
	User Updateable Firmware	Yes
Power & Operating Specs	**Power Supply**	USB-C® PD input 27W (9V/3A)
	Power Source	USB-C®
	Power Consumption- Max	27W
	Energy Saving/Stand By Mode	0.5W
	Power Consumption- Typical	12W
Operating Conditions	**Operating Temperature - Celsius**	5° – 35°
	Operating Temperature - Fahrenheit	41° – 95°
	Non-operating Temperature - Celsius	−20° – 60°
	Non-operating Temperature - Fahrenheit	−4° – 140°
	Operating Humidity	20 – 80%
	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	**Microsoft WHQL Certification**	Win 10
	EPEAT® Certification	EPEAT® Gold with Climate+ registered configurations available. See www.epeat.net for registration status and tier levels by country.*
	*Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for more information	
Recycled Plastics	**Contains Recycled Plastics**	ABS 85%
	Recyclable Packaging (Box, packing materials)	100% fiber packaging, cardboard

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		Metric	Imperial
Unit Product/Package Specifications	**Product Dimensions** (Unpacked with stand) (W x D x H)	35 x 21.1 x 17.6 cm	13.8 x 8.3 x 6.9 inch
	Product Dimensions (Packed) (W x D x H)	42.2 x 27.3 x 8.1 cm	16.61 x 10.75 x 3.19 inch
	Display Head Dimensions (Unpacked without stand) (W x D x H)	35 x 20.3 x 17.6 cm	13.8 x 8.0 x 6.9 inch
	Base Area Footprint (w x d mm)	179.7 X 151 mm	70.8 X 59.5 inch
	Bezel Measurements	Top: 19.0 Left: 19.7 Right: 19.7 Bottom: 20.54	Top: 7.5 Left: 7.8 Right: 7.8 Bottom: 8.1
	Product Weight (Unpacked with stand)	2.5 kg	5.51 lb
	Product Weight (Packed)	3.1kg	6.84 lb
	Product Weight (Head Only)	1.6 kg	3.53 lb
Pallet Information	**Pallet Dimensions** (L x W x H)	Slip Sheet: 1200 x 984 x 2103 mm Pallet: 1200 x 1000 x 2218 mm	Slip Sheet: 47.24 x 38.74 x 82.80 inch Pallet: 47.24 x 39.37 x 91.65 inch
	Pallet Total Weight	Slip Sheet: 504.2 kg Pallet: 517.2 kg	Slip Sheet: 1111.57 lb Pallet: 1140.23 lb
	Pallet Layers	6 layers per pallet	
	Pallet Product per Layer	24	
	Total Products per Pallet	144	
	Container Load, 20-Foot	1440	
	Container Load, 40-Foot	3024	
	Container Load, 40-Foot HighQ	3528	

What's in the box?	**HP Engage 14 FHD Monitor** **(42C50AA/8X037AA ***)**	HP Engage 14 FHD Monitor USB-C® Documentation
	HP Engage 14t FHD Monitor **(42C90AA/8X078AA ***)**	HP Engage 14t FHD Monitor USB-C® Documentation

*** If attaching to Engage Flex Pro G2 or Engage Flex Pro C G2, please order part number 8X037AA or 8X078AA

Compatible Accessories	10P58AA – HP Engage 14 Clean Mount Stand 10P62AA – HP Engage 14 Stability Mount Stand 4A2G1AA – HP Engage 14 Standalone Stand 4A2G2AA – HP Engage 14 VESA Plate
Service and Support	Three (3) year limited warranty with advance exchange.
Key Features and Benefits	Deliver superb visibility and lasting value with 400 nits of brightness and a LED half life of ≥ 50,000 hours. Plug the 14" touch CFD into the USB-C™ port of the sleek HP Engage One Pro for a tidy countertop. Rest easy with a durable display that undergoes Military Standard testing (MIL-STD)[1], resists dust and liquid intrusion (IP44 rated)[2]. 1. Military Standard testing (MIL-STD-810H) is not intended to demonstrate fitness of U.S. Department of Defense (DoD) contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack. 2. IP44 disclaimer: Test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.

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Built with sustainability in mind with ocean-bound and recycled plastics, ENERGY STAR® 8.0 certification, and recycle-friendly metals.[3]

3. 5% ocean bound plastics in speaker enclosure. 100% outer box/corrugate cushion packaging made from sustainably sourced certified and recycled fiber. Fiber cushions made from 100% recycled wood fiber and organic material. Any plastic cushions are made from >90% recycled plastic. Excludes plastic bags and plastic foam sheeting.

Adapt to an ever-shifting marketplace with touch functionality featuring water drop recognition.

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Summary

Change Log

May 19, 2021	V1 to V2	Add	SKUs, What's in the box? And Compatible Accessories
August 10, 2021	V2 to V3	Update	Tilt in Monitor Specifications
November 9, 2021	V3 to V4	Add	Key Features and Benefits
January 18, 2022	V4 to V5	Update	Webcam specs
November 23, 2023	V5 to V6	Updated	What's in the box? Section
January 17, 2024	V6 to V7	Updated	Format
January 25, 2024	V7 to V8	Updated	Environmental Features and Certifications section