HP Series 3 Pro 21.45 inch FHD Monitor - 322pe

Everyday Work Essentials

Get the essentials you need to be more productive on this 21.45-inch FHD, IPS monitor. The sleek, 3-sided borderless design is perfect for any desk and a crisp, smooth screen makes completing everyday projects easier. Simply connect via HDMI or VGA and get to work.

*Product image may differ from actual product

100 Hz

Elevate Your View

This 21.45-inch FHD[1] monitor has just what you need to complete your everyday tasks. A 3-sided micro-edge design and IPS panel ensures you see more of your screen, while 100 Hz refresh rate delivers crisp and fluid content.[2]

Connect Easily

Easily plug in and get to work with the connections you need, which include an HDMI 1.4 and VGA ports for video and audio.[3]

Increased Comfort

Stay comfortable and productive throughout the day with adjustable tilt. Keep your eyes comfortable with the option to turn on software low-blue light mode for warmer colors onscreen.

Sustainability in action

Built for a Better Tomorrow

This energy-efficient monitor is ENERGY STAR® and EPEAT® Silver[4] registered as well as TCO certified. Plus, it contains 85% post-consumer recycled plastic (PCR)[5] and comes in 100% sustainably sourced packaging.[6]

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Featuring

FHD Resolution
Focus on the finer details and enjoy sharp visuals and crystal clear images with the 1920 x 1080 FHD resolution on this 21.45" diagonal monitor.[1,2]

100 Hz Refresh Rate
With a 100 Hz refresh rate this monitor is capable of clear details, smoothly moving from frame to frame, allowing for fast split-second reaction time.[2]

IPS Technology
No matter where you are or sit, IPS technology ensures image accuracy and consistency across wide 178-degrees horizontal and vertical viewing angles.

3-Sided Micro-Edge Bezel
See and do more on your screen with a 3-sided micro-edge bezel that maximizes your viewing area for a sleek design and virtually seamless dual-monitor setups.

Adjustable Tilt
The tilt-adjustable slim stand helps you find the right angle so you can maximize productivity and work comfortably.

Software Low Blue Light Mode
Keep your eyes comfortable throughout the day by turning on Low Blue Light Mode to subtly shift display colors to a warmer spectrum.

Essential Ports
This monitor is ready to connect for sharp FHD visuals with one VGA and one HDMI 1.4.[3]

Easily Personalize and Adjust Your Monitor
Customize your monitor with easy to use, intuitive HP Display Center software that lets you tailor your settings, partition screens, and even dim the screen—all through the host PC.[7]

Remote Management Reimagined
HP Client Management Script Library (CMSL) makes remote manageability easy to use. This powerful solution works seamlessly with Intune/SCCM to manage your display fleet using PowerShell.[8]

Increased Energy Efficiency
HP is committed to helping protect our shared future by minimizing the energy our monitors consume to help reduce energy demand. This monitor is held to the highest energy saving standard with an ENERGY STAR® rating and EPEAT® Silver Registration.[4]

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Specifications

Display specifications

Display size	54.48 cm (21.45")
Viewable diagonal size	21.45" (54.48 cm)
Aspect ratio	16:9[1]
Curvature	Flat
Native resolution	FHD (1920 x 1080)[1,2]
Resolution (maximum)	FHD (1920 x 1080 @ 100 Hz)[1]
Resolutions supported	640 x 480 @ 60 Hz; 640 x 480 @ 75 Hz; 800 x 600 @ 60 Hz; 800 x 600 @ 75 Hz; 1024 x 768 @ 60 Hz; 1280 x 720 @ 60 Hz; 1280 x 1024 @ 60 Hz; 1440 x 900 @ 60 Hz; 1600 x 900 @ 60 Hz; 1680 x 1050 @ 60 Hz; 1920 x 1080 @ 60 Hz; 1920 x 1080 @ 100 Hz; 1280 x 1024 @ 75 Hz; 1024 x 768 @ 75 Hz; 1280 x 800 @ 60 Hz; 720 x 400 @ 70 Hz (VGA only); 720 x 400 @ 70 Hz (HDMI only)
Panel type	IPS; LCD
Bezel	3-sided borderless
Panel active area	47.87 x 26.03 cm
Panel bit depth	8 bit (6 bit + FRC)[1]
Display colors	Up to 16.7 million colors supported[1,3]
Display color gamut	72% NTSC
Refresh rate (maximum)	100 Hz[1]
Display scan frequency	48-100 Hz (Vertical)[1]; 52.4-110 kHz (Horizontal)[1]
Response time	5ms GtG (with overdrive)[1]
Brightness	250 nits[1]
Contrast ratio	1000:1 (Static)[1] 8,000,000:1 (Dynamic)[1]
Pixel pitch	0.25 x 0.24 mm[1]
Pixels per inch (ppi)	101 ppi
Viewing angle	178° (Vertical) 178° (Horizontal)
Backlight type	Edge-lit
Backlight lamp life	30,000 hours
Display features	Low blue light mode; Anti-glare; Tilt
Display User Control Options	Brightness+; Color; Image; Input; Power; Menu; Management; Exit; Contrast; Language
Management software	HP Display Center; HP Display Manager; HP Client Management Script Library[9,10]
Low blue light modes	Yes
Flicker-free	Yes
Screen treatment	Anti-glare
Hardness	3H[1]
Haze	25%
VESA mount	100 x 100 mm
Adjustability	Tilt: -5 to +23°

Connectivity and communications

Port and connectors	1 HDMI 1.4 1 VGA
HDCP	Yes, HDMI
Power supply	90 – 264 VAC 50/60 Hz (Internal)

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Specifications

Appearance

Product color	Black
Stand color	Black
Detachable stand	Yes
Physical security	Security lock-ready[11]
Base area footprint	22.82 x 20.99 cm
Dimensions without Stand (W x D x H)	49.28 x 4.30 x 28.65 cm (without stand)
Dimensions with stand (W x D x H)	49.28 x 20.99 x 37.44 cm
Weight	2.6 kg (wih stand); 2.2 kg (without stand)
Packaged Dimensions (W x D x H)	55.6 x 13.8 x 35 cm
Packaged weight	4.1 kg

Certification and compliance

Power consumption	17.6 W (maximum), 14.5 W (typical), 0.5 W (standby)
Energy efficiency	ENERGY STAR® certified
Ecolabels	TCO Certified; EPEAT® Silver with Climate+[12]
Sustainable impact specifications	Low halogen; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; 85% post-consumer recycled plastic[5,6,7,8]
Certifications	Australian-New Zealand MEPS; Bauart; BSMI; CB; CCC; CE; CECP; CEL; cTUVus; EAC; ErP; ISO 9241-307; KC/KCC; NOM; PSB; SEPA; TUV-S; VCCI; Vietnam MEPS; WEEE; ISC; Low blue light; Mexico Energy; UAE ECAS; UAE RoHS; KMEPS; NRCS LOA; NRCS EE
Microsoft WHQL certification	Windows 11; Windows 10
Environmental	Operating temperature range: 0 to 40°C Non-operating temperature range -20 to 60°C Operating humidity: 0 to 85% RH Non-operating humidity: 0 – 90% Operating altitude: Non-operating altitude:

Additional information

Manufacturer Warranty	HP three-year limited warranty
What's in the box	Monitor; HDMI cable; Quick Setup Poster; AC power cord[4]
Country of origin	Made in China

Logistic information

Pallet Dimensions (L x W x H)	120 x 100 x 223.4 cm
Pallet weight	357.4 kg
Pallet (layers)	6
Products per layer	14
Products per pallet	84

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Footnotes

Messaging Footnotes

[1] FHD content is required to view FHD images.

[2] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. 100 Hz refresh rate can be supported via HDMI cable connection only. Refresh rates can be user enabled in PC settings. 60Hz refresh rate supported with VGA.

[3] HDMI 1.4, AC power cable included. All other cables sold separately.

[4] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information. This product has been verified to meet ENERGY STAR® requirements.

[5] Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 EPEAT® standard.

[6] 100% of paper-based packaging made from sustainably sourced, certified, and recycled fibers.

[7] Host PC requires Windows 10 or higher. HP Display Center is available on the Microsoft store.

[8] HP CMSL is estimated to be available between November 2024 to April 2025. HP CMSL is only supported on 64-bit PowerShell 5.1 and higher. CMSL Support Windows 10 version 1809 and higher, and Windows 11. Some limitations may apply to legacy displays. Visit support.hp.com to download HP CMSL.

Technical Specifications Footnotes

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

[2] DisplayPort™ 1.4 or HDMI 2.0 required to drive panel at its native resolution. The video card of the connected PC must be capable of supporting 1920 x 1080 at 60 Hz with 8 bit color using one DisplayPort™, HDMI. The video card of the connected PC must be capable of supporting 1920 x 1080 and include one DisplayPort™ or one HDMI outputs to drive the monitor at the Preferred Mode.

[3] Number of colors through A-FRC technology.

[4] Included cables may vary by country.

[5] External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.

[6] Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.

[7] Molded pulp cushions are made from 100% recycled wood fiber and organic materials.

[8] 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.

[9] Host PC requires Windows 10 and above. HP Display Center is available on the Microsoft store.

[10] HP CMSL software agent must be running on a web server and host PC. Some limitations may apply to legacy monitors. HP CMSL is available for download on support.hp.com.

[11] Lock sold separately.

[12] EPEAT® registered where applicable. EPEAT® registration varies by country. See www.epeat.net for registration status by country. Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.