

HP Series 3 Pro 23.8 inch FHD Monitor - 324ph

Redefine the everyday

Expand your view in comfort with a spacious, thoughtfully designed 23.8 inches of workspace. Boasting a crisp, smooth screen and a simple yet functional design, this HP Series 3 Pro 23.8" FHD monitor lets you work better all day.



*Product image may differ from actual product

100Hz

Elevate your visual experience

Make your day more productive and enjoyable with an expanded workspace for projects and assignments. This sleek 23.8-inch FHD monitor boasts a quality IPS screen that's visible from any angle and up to 100 Hz refresh rate¹ for sharp images and fluid motion.

HP Eye Ease

Focus in comfort

Stay in the zone without sacrificing eye comfort with a flicker-free screen and HP Eye Ease, an always-on hardware low-blue light filter that doesn't impact color accuracy. Plus, find your perfect angle with a 100 mm height- and tilt-adjustable stand.



Clean design

Keep the focus on your screen with a sleek, simple design. Make borders disappear with a 3-sided micro-edge bezel ideal for clean dual-monitor setups and 2 x 2W downfiring speakers built right in. Easily customize settings with the joypad OSD button.

Sustainability in action

Built for a better tomorrow

This thoughtfully designed monitor contains at least 85% recycled plastic content in the enclosure, 5% recycled metal, and 20% recycled glass in the panel². Plus, it meets high energy-saving standards with ENERGY STAR[®] certification and EPEAT[®] registration³.



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Featuring

IPS Technology

No matter where you stand, IPS technology ensures image accuracy and consistency across wide 178-degree horizontal and vertical viewing angles.

HP Eye Ease

HP Eye Ease, an always-on, hardware low-blue light filter, helps keep your eyes comfortable throughout the day by reducing blue light without the yellow color shift.

100 Hz Refresh Rate

Experience smooth scrolling, life-like video and clear detail with a 100 Hz refresh rate that provides fluid movement from frame to frame.¹

Height and Tilt Adjust

The 100 mm height- and tilt-adjustable slim stand helps you find the right angle so you can maximize productivity and work comfortably.

Plenty of Ports

This monitor is ready to connect for sharp FHD visuals with multiple ports including 1 x VGA, 1 x HDMI 1.4, and 1 x DisplayPort™ 1.2.^{4,5}

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.

Built-in 2W Dual Speakers

Listen to music, meetings and more with the built-in, dual 2W downfiring speakers.

Intuitive Joypad OSD Button

Easily configure your monitor settings with the touch of a button. Simply navigate the on-screen menu with the joypad OSD button to adjust brightness and resolution.

Neat Cable Management

Be more productive with a cleaner workspace by removing the clutter of mixed cables with a neat cable management solution.

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.⁶

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.⁷

Energy Efficient Design

These monitors meet the latest energy efficiency and environmental standards for tech and IT with EPEAT® registration and ENERGY STAR® and TCO certifications.³

Materials that Matter

This thoughtfully designed monitor contains at least 85% recycled plastic content in the enclosure, 5% recycled metal, and 20% recycled glass in the monitor panel. It's all part of our commitment to help protect our shared future.²

Thoughtful Product Packaging

100% of HP paper-based packaging is from recycled or certified sustainable sources.⁸

HP PC Mounting Bracket

Save space and optimize your desk by attaching the B200 or B550 bracket to the monitor stand and your PC.⁹

Works With Chromebook Certified

The Works With Chromebook badge on a device means it's optimized to work with your Chromebook and other Chrome OS devices. Enjoy a seamless experience across Works With Chromebook certified accessories.^{10,11}



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Specifications

Display specifications

Display size	60.5 cm (23.8") ¹
Viewable diagonal size	23.8" (60.45 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; 720 x 400 @ 70 Hz; 800 x 600 @ 60 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; 640 x 480 @ 75 Hz (digital inputs only); 800 x 600 @ 75 Hz (digital inputs only); 1024 x 768 @ 75 Hz (digital inputs only); 1280 x 1024 @ 75 Hz (digital inputs only); 1920 x 1080 @ 50 Hz (digital inputs only); 1920 x 1080 @ 75 Hz (digital inputs only); 1920 x 1080 @ 100 Hz (digital inputs only); 1280 x 800 @ 60 Hz
Panel type	IPS; LCD ¹
Bezel	3-sided borderless
Panel active area	52.7 x 29.65 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 ; 30-115 kHz (Horizontal) ¹
Response time	5ms GtG (with overdrive) ¹
Brightness	250 nits ¹
Contrast ratio	1000:1 (Static) ¹ 8000000:1 (Dynamic) ¹
Pixel pitch	0.2745 x 0.2745 mm ¹
Viewing angle	178° (Vertical) 178° (Horizontal)
Backlight type	Edge-lit; WLED
Backlight lamp life	30,000 hours
Display User Control Options	Brightness+; Color; Image; Input; Power; Menu; Management; Information; Exit
Management software	HP Display Center; HP Client Management Script Library ^{11,12}
User updateable firmware	No
Low blue light modes	Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified) ¹
Flicker-free	Yes (TÜV certified)
Screen treatment	Anti-glare
Hardness	3H ¹
Haze	25%
VESA mount	100 x 100 mm
Adjustability	Height adjustment range: 100 mm Tilt: -5 to +23°
Speaker output power	2 x 2 W; Built-in speakers
Languages	11 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese, S-Chinese and Russian)
Special features	Works with Chromebook

Connectivity and communications

Port and connectors	1 HDMI 1.4 1 DisplayPort™ 1.2 1 VGA
HDCP	Yes, DisplayPort™ and HDMI
Power supply	100 - 240 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 ⁵
Base area footprint	18.5 x 17.8 cm
Dimensions without Stand (W x D x H)	53.89 x 4.94 x 32.42 cm (without stand)
Dimensions with stand (W x D x H)	53.89 x 19.63 x 46.92 cm
Weight	3.4 kg (without stand); 4.71 kg (with stand)
Packaged Dimensions (W x D x H)	59.5 x 12.4 x 39.1 cm
Packaged weight	6.74 kg

Certification and compliance

Power consumption	35 W (maximum), 23 W (typical), 0.5 W (standby)
Energy efficiency	ENERGY STAR® certified
Ecolabels	TCO Certified; TCO Certified Edge; EPEAT® registered with Climate+
Sustainable impact specifications	Low halogen; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; 85% post-consumer recycled plastic; Contains 20% recycled glass in the monitor panel; At least 5% recycled metal ^{6,7,8,9,10}

Certifications

Australia MEPS; Bauart; CCC; CE; CEL; C-Tick; cTUVus; EAC; E-standby (Korea); EUP Lot-5; EUP Lot-6; FCC; ISO 9241-307; KC (Korean) requirements; KCC (Korean) requirements; NOM (Mexico); PSB for Singapore; RCM; SEPA; S-Mark for Argentina; Taiwan BSMI; VCCI; Vietnam MEPS; Ukraine Energy label; California Energy Commission (CEC); South Africa Energy; EUP Lot 26; Mexico Energy; UAE; TGM; India BIS; Cambodia ISC; IC; NRCS; PSE; Ukraine CoC; Ukraine DOC; CEL Grade 2; CB(62368-1); CB 60950

Microsoft WHQL certification

Windows 11; Windows 10

Environmental

Operating temperature range: 5 to 35°C
 Non-operating temperature range -40 to 65°C
 Operating humidity: 20 to 80% RH (non-condensing)
 Non-operating humidity: 5 - 95%
 Operating altitude: Up to 5,000 m
 Non-operating altitude: Up to 12,192 m

Additional information

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

Logistic information

Pallet Dimensions (L x W x H)	Slip sheet: 120 x 100.2 x 198 cm (20 ft, 40 ft) Slip sheet: 120 x 100.2 x 237.4 cm (40 ft HQ) Pallet: 120 x 100.2 x 210 cm (20 ft, 40 ft) Pallet: 120 x 100.2 x 249.4 cm (40 ft HQ)
Pallet weight	Slip sheet: 5397 kg (20 ft) Slip sheet: 11328.2 kg (40 ft) Slip sheet: 13592.84 kg (40 ft HQ) Pallet: 5412 KG (20 ft) Pallet: 11343.2 kg (40 ft) Pallet: 13607.84 kg (40 ft HQ)
Pallet (layers)	Pallet: 5 layers (20 ft, 40 ft); Slip sheet: 6 layers (40 ft HQ)
Products per layer	16
Products per pallet	80



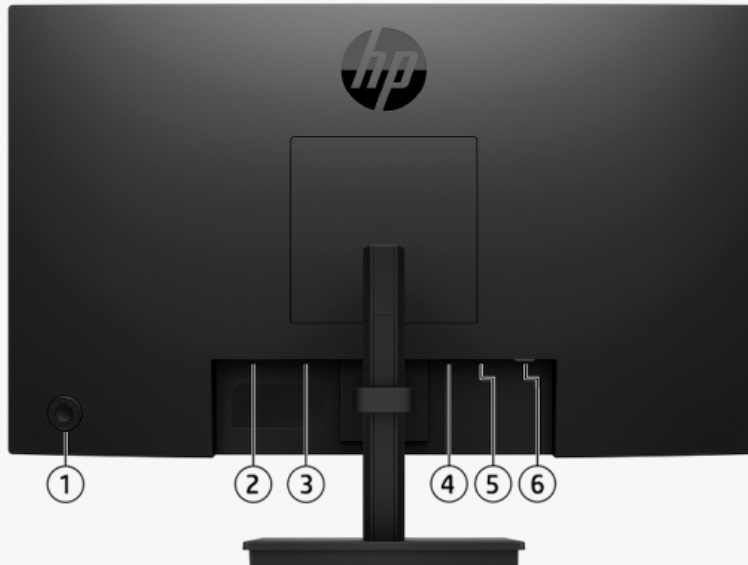
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Product walkaround



1. Power button

2. Power LED



1. Joypad OSD button
2. Security cable slot
3. Power connector

4. DisplayPort™ 1.2
5. HDMI 1.4 port
6. VGA port

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Footnotes

Messaging Footnotes

- ¹ 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 and DisplayPort™ cable connection only. 60 Hz refresh rate with VGA.
- ² Recycled plastic content percentage is based on the definition set in the IEEE 16801-2018 EPEAT® standard. Recycled plastic is expressed as a percentage of the total weight plastic. Recycled metal is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal parts over 25 grams. Percentage of recycled glass in the monitor panel varies by product. Recycled glass is expressed as a percentage of the total weight of the glass.
- ³ Based on US EPEAT® registration according to IEEE 16801-2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for more information.
- ⁴ FHD content is required to view FHD images.
- ⁵ Cable included in box varies by region.
- ⁶ Host PC requires Windows 10 or higher. HP Display Center is available on the Microsoft store.
- ⁷ 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.
- ⁸ HP paper and fiber based packaging for PCs, displays, home and office print, and supplies is reported by suppliers as recycled or certified, with a minimum of 97% by volume verified by HP. Packaging is the box that comes with the product and all paper-based materials inside the box. Packaging for personal systems accessories and spare parts is not included.
- ⁹ Mounting hardware is sold separately. B200 bracket is compatible with all P G5 series, Series 3 Pro and these select mini PCs: Elite Mini 800 G9 UMA sku, Elite Mini 600 G9, Pro Mini 400 G9, Pro Mini 260 G9, EliteDesk 800 G8 UMA sku, EliteDesk 805 G8 UMA sku, EliteDesk 800 G6 UMA sku, EliteDesk 805 G6 UMA sku, ProDesk 600 G6, ProDesk 400 G6, 260 G4 Desktop Mini.
- ¹⁰ Google tested to meet Chromebook compatibility standards.
- ¹¹ This product works with devices capable of running the latest version of Chrome OS and has been certified to meet Google's compatibility standards. Google is not responsible for the operation of this product or its compliance with safety requirements. Chromebook and the Works With Chromebook badge are trademarks of Google LLC.

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™ 1.2 or HDMI 1.4 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 HDMI, DisplayPort™ or VGA.
- ³ Number of colors through A-FRC technology.
- ⁴ Included cables may vary by country.
- ⁵ Lock sold separately.
- ⁶ ITE Derived Closed Loop Plastic percentage is based on the definition set in the IEEE 16801-2018 standard.
- ⁷ Recycled metal is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal parts over 25 grams.
- ⁸ Percentage of recycled glass in the monitor panel varies by product. Recycled glass is expressed as a percentage of the total weight of the glass.
- ⁹ HP paper and fiber based packaging for PCs, displays, home and office print, and supplies is reported by suppliers as recycled or certified, with a minimum of 97% by volume verified by HP. Packaging is the box that comes with the product and all paper-based materials inside the box. Packaging for personal systems accessories and spare parts is not included.
- ¹⁰ External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.
- ¹¹ Host PC requires Windows 10. HP Display Center is available on the Microsoft store.
- ¹² 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.

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