Datasheet

HP Series 5 Pro 23.8 inch FHD USB-C Monitor - 524pu

Powerfully designed to connect

Plug into more possibilities with the HP Series 5 Pro 23.8" FHD USB-C Monitor. Its sleek, modern design gives you crisp, stunning visuals and enhanced 100W power delivery with a single cable connection that seamlessly connects to PCs and peripherals at home or in the office.

*Product image may differ from actual product

Your center of productivity

Get more done with your unique hub for unstoppable productivity. Connect any device[3] with a single USB-C® cable for strong 100W power delivery. See your work elevated in smooth, crisp detail with 100 Hz refresh rate[1], while also experiencing vibrant, consistent colors with 100% sRGB[1] and HP Progressive White Balance[2].

Designed to work beautifully together

Transform your space into a seamless workplace. The 3-sided borderless with micro-edge bezel design lets you see more than ever. Daisy-chain[4] another HP Series 5 Pro monitor[5] for a perfect dual display setup with next-level productivity.

Take control of your comfort

Find a way to feel your best all day with 4-way adjustability optimized by the step-by-step Ergonomic Setup Guide[6] in HP Display Center[7]. Keep your eyes comfortable with HP Eye Ease by reducing blue light without impacting color.

Sustainability in action

Materials that make an impact

This energy-efficient monitor is thoughtfully designed with at least 90% recycled plastic content[8], 20% recycled glass in the monitor panel[10], and 90% recycled aluminum in the stand[9]. Plus, 100% of the paper-based packaging is sustainably sourced[11].

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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 23.8" diagonal monitor.[1]

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.[1]

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.[1]

More Contrast
See the nuanced differences of color, shadow, and highlights thanks to the enhanced 1500:1 contrast ratio.[1]

High Brightness
350 nits of brightness lets you see clearly. Enhance your visual performance for work or simply enjoying entertainment.[1]

100% sRGB Color Gamut
Enjoy highly accurate colors on screen with 100% sRGB. This HP monitor provides ideal color reproduction with minimal effort.[1]

Progressive White Balance
Work better with content that looks the same on both screens. Progressive White Balance is an HP technology that provides consistent white-point matching from screen-to-screen.[2]

USB-C® Connectivity
Keep your set up simple and seamless with a display that has everything built in. Connect a keyboard and mouse to the ports on the back of this monitor and only one USB-C® cable to your notebook for data, video, and up to 100W of charging.

Daisy-Chain a Second HP Series 5 Pro Monitor
Display even more with DisplayPort™ by daisy- chaining a second HP Series 5 Pro monitor for the perfect dual-display setup.[4,5]

More Ports. More Power. Easily Accessible.
Packed with ports including full-function USB-C®, HDMI 2.0, DisplayPort™ 1.4, USB-C® downstream, plus 3 USB-A 3.2 ports.[12]

Sleek Design, Clean Space
See and do more on your screen with a 3-sided borderless with micro-edge bezel design that maximizes your viewing area for a sleek design and virtually seamless dual-monitor setups.

Endless Adjustability
With 4-way adjustability you can customize pivot, tilt, height adjust, and swivel settings to fit you, your desk, and your needs.

Always-on, True Color, Low-Blue Light Filter
HP Eye Ease is an always-on, low-blue light filter that helps keep your eyes comfortable throughout the day by reducing blue light without impacting color accuracy or adding a yellow color shift.

Ergonomic Setup Guide
With world-class ergonomic practices at your fingertips, you have the knowledge to fine-tune your display's 4-way adjustability to achieve optimal comfort, all day, thanks to the step-by-step Ergonomic Setup Guide in HP Display Center.[6,7]

HP Display Center
Customize your monitor with the intuitive HP Display Center that lets you tailor your settings, partition screens, and more—all through the host PC. Plus, learn how to find your perfect posture with help from the included HP Ergonomic Setup Guide.[6,7]

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.[13]

Single Power On
Instantly turn on your display and PC, even when the lid is closed, by pressing the power button on the bottom of the display.[14]

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® Gold Registration.[15]

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Specifications

Display specifications

Display size
23.8"[1]
Display size (diagonal, metric)
60.5 cm (23.8")
Viewable diagonal size
23.8" (60.47 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; 720 x 400 @ 70 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; 1920 x 1080 @ 75 Hz
Panel type
IPS[1]
Bezel
3-sided micro-edge
Panel active area
52.70 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
100% sRGB
Refresh rate (maximum)
100 Hz[1]
Display scan frequency
50-100 Hz (Vertical)[1] 30-115 kHz (Horizontal)[1]
Response time
5ms GtG (with overdrive)
Brightness
350 nits[1]
Contrast ratio
1500:1 (Static)[1] 10000000:1 (Dynamic)[1]
Pixel pitch
0.28 x 0.28 mm[1]
Pixels per inch (ppi)
93 ppi[1]
Viewing angle
178° (Vertical) 178° (Horizontal)
Backlight type
Edge-lit; WLED
Backlight lamp life
30,000 hours
Display features
Single Power ON; Anti-glare; Height Adjust/Tilt/Swivel/Pivot; HP Eye Ease; Daisy chain[13]
Display User Control Options
Brightness+; Color; Image; Input; Power; Menu; Management; Information; Exit
Management software
HP Display Center; HP Client Management Script Library[6]
Remote manageability
In-Band MAC Address Pass Through (MAPT); Out-of-Band MAC Address Pass Through (MAPT); In-Band Wake on LAN (WoL); Out-of-Band Wake on LAN (WoL); PXE Boot; Through HP Client Management Script Library[13]
Low blue light modes
Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)[1]
Flicker-free
Yes
Screen treatment
Anti-glare
Hardness
3H[1]
Haze
25%
VESA mount
100 x 100 mm
Height adjustment range
150 mm
Tilt
-5 to +23°
Swivel
±45°
Pivot
±90°

Connectivity and communications

Port and connectors
1 HDMI 2.0
1 DisplayPort™ 1.4
1 DisplayPort™ 1.4-out
1 USB Type-C® 5Gbps signaling rate (Up to 15W USB Power Delivery)
1 USB Type-C® 5Gbps signaling rate (Up to 100W USB Power Delivery, Alt Mode DisplayPort™ 1.4)
3 USB Type-A 5Gbps signaling rate (1 charging)
1 RJ-45 (10/100/1000 Mbps)
HDCP
Yes, DisplayPort™, HDMI and USB Type-C®
Power supply
100 - 240 VAC 50/60 Hz
(Internal)
Power consumption
198 W (maximum), 22 W (typical), 0.5 W (standby)

Logistics and Physical

Product color
Jet black
Stand color
Jet black; Natural silver
Detachable stand
Yes
Physical security
Security lock-ready[5]
Base area footprint
24.2 x 18.95 cm
Dimensions without Stand (W x D x H)
53.94 x 4.72 x 31.43 cm (without stand)
Dimensions with stand (W x D x H)
53.94 x 18.95 x 50.32 cm
Weight
5.93 kg (with stand)
Packaged Dimensions (W x D x H)
62.1 x 14 x 39.3 cm
Packaged weight
8.42 kg

Certification and compliance

Energy efficiency
ENERGY STAR® certified
Ecolabels
TCO Certified; TCO Certified Edge; EPEAT® Gold with Climate+[7]
Environmental 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% ITE-derived closed loop plastic; Contains ocean-bound plastic; Contains 20% recycled glass in the monitor panel; At least 40% recycled metal including 90% recycled aluminum in the stand[8,9,10,11]
Certifications
Australian-New Zealand MEPS; BIS; BSMI; CB; CCC; CE; CECP; CEL Grade 1; cTUVus; EAC; FCC; ICES; ISO 9241-307; KC; KCC; NOM; PSB; RCM; SEPA; TUV-S; VCCI; Vietnam MEPS; WEEE; ISC; California Energy Commission (CEC); UAE; Ukraine certificates; TÜV Flicker free certified; NRCS; PSE; GS; Ukraine EE; TÜV Low Blue Light Hardware Solution certified; Korea MEPS; Australian-New Zealand DoC; EMF
Microsoft WHQL certification
Windows 11; Windows 10
Operating temperature range
41 to 95°F
Operating humidity range
20 to 80% RH (non-condensing)
Non-operating humidity range
5 - 95%

Additional information

Manufacturer Warranty
HP three-year limited warranty
What's in the box
Warranty card; AC power cable; Quick Setup Poster; 1 USB Type-C® to Type-C cable[4]
Country of origin
Made in China

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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.
[2] HP's Progressive White Balance feature is designed to calibrate 100% full white on HP Series 5 Pro monitors. This adjustment is intended to align the white point more closely among various HP Series 5 Pro monitors. However, due to the nature of monitors, perceptible differences in the white color may still occur when the monitors are viewed from varying angles.
[3] Works across any OS. Keeps the same power delivery when connecting multiple devices.
[4] 100 Hz refresh rate supported on host PCs with DisplayPort™ 1.2 or higher. Host PC may affect the refresh rate combinations of monitors 1 and 2. Refresh rates can be user enabled in PC settings.
[5] HP Series 5 Pro monitor or additional monitor sold separately.
[6] Ergonomic Setup Guide is available through HP Display Center. Host PC requires Windows 10 or higher. HP Display Center is available on the Microsoft store.
[7] Host PC requires Windows 10 or higher. HP Display Center is available for download on the Microsoft store for Windows or support.hp.com for Windows and MacOS.
[8] Recycled plastic is expressed as a percentage of the total weight plastic. Post-consumer recycled is based on the definition set in the EPEAT® standard for computers, IEEE 1680.1-2018 standard.
[9] 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.
[10] 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.
[11] 100% of paper-based packaging made from sustainably sourced, certified, and recycled fibers.
[12] AC Power cable and USB-C 3.2 Gen 1 cable included. All other cables sold separately.
[13] 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.
[14] Single Power On only compatible with HP PCs with Windows 10 or higher.
[15] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information. EPEAT® is a world class ecolabel for electronics and technology products. EPEAT® Gold with Climate+ registered products have met rigorous criteria and been independently verified to assure they have been thoughtfully designed with the planet in mind. With EPEAT Climate+, you're not just choosing products; you're choosing a movement towards corporate responsibility and climate action. This product has been verified to meet ENERGY STAR® requirements.

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] Lock sold separately.
[6] Host PC requires Windows 10 and above. HP Display Center is available on the Microsoft store.
[7] 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.
[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] Ocean Bound plastic is expressed as a percentage of the total weight plastic. Ocean Bound plastic is based on the definition set by the UL2809 standard.
[10] External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.
[11] 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.
[12] 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.
[13] The Client Management Script Library must be downloaded to the connected PC to run CMSL commands. Some limitations may apply to legacy displays. Visit support.hp.com to download HP CMSL.

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