Datasheet

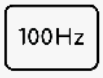
HP Series 5 Pro 23.8 inch FHD Monitor - 524pf

Reimagine what work looks like

Get more out of your workday with the HP Series 5 Pro 23.8" FHD Monitor. Create the setup that works for the way you work, wherever you work, with refined visual clarity and adjustable comfort built into a sleek, modern design.



*Product image may differ from actual product



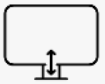
Elevate your productivity

See more of your work and get more done on this 23.8" FHD resolution monitor. A lightning-fast 100 Hz refresh rate[1] brings out every detail. Elevate your view even more by experiencing bright, vibrant, consistent colors with 100% sRGB[1] and HP Progressive White Balance[2].



Designed to inspire

Change the way you see your desk. See more of your display with the 3-sided borderless with micro-edge bezel design. To get even more done, daisy-chain[3] this display with another HP Series 5 Pro USB-C monitor[4] or pair it with a dock.



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[5] in HP Display Center[9]. Keep your eyes comfortable with HP Eye Ease by reducing blue light without impacting color.

Sustainability in action

Materials that make an impact

The better choice for a brighter tomorrow, this energy-efficient monitor's enclosure contains at least 90% recycled plastic content[6]. And with 100% of paper-based packaging sustainably sourced[7], you can feel good about your purchase.

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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]

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.

More Ports. Easily Accessible.
More ports means more capabilities. With HDMI 1.4, DisplayPort™ 1.2, USB-B (upstream), and 4 USB-A 3.2 ports, you can connect multiple devices. Easy rear-facing design makes connecting a breeze.[8]

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.[5,9]

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.[5,9]

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]

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.[11]

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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 @ 50 Hz; 1920 x 1080 @ 60 Hz; 1920 x 1080 @ 100 Hz; 1280 x 1024 @ 75 Hz; 720 x 480 @ 60 Hz; 720 x 576 @ 50 Hz; 1024 x 768 @ 75 Hz; 1280 x 720 @ 50 Hz; 1280 x 720 @ 100 Hz; 1280 x 800 @ 60 Hz; 1920 x 1080 @ 75 Hz
Panel type
IPS[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
100% sRGB
Refresh rate (maximum)
100 Hz[1]
Display scan frequency
50-100 Hz (Vertical)[1] 30-120 kHz (Horizontal)[1]
Response time
5ms GtG (with overdrive)[1]
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
Anti-glare; Height Adjust/Tilt/Swivel/Pivot; HP Eye Ease; Progressive white balance[13]
Display User Control Options
Brightness+; Color; Image; Input; Power; Menu; Management; Information; Exit
Management software
HP Display Center; HP Client Management Script Library[6,15]
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%
Height adjustment range
150 mm
Tilt
-5 to +23°
Swivel
±45°
Pivot
±90°

Connectivity and communications

Port and connectors
1 HDMI 1.4
1 DisplayPort™ 1.2
4 USB Type-A 5Gbps signaling rate (1 charging)
1 USB-B
HDCP
Yes, DisplayPort™ and HDMI
Power supply
100 - 240 VAC 50/60 Hz
(Internal)
Standby mode power demand
0.5 W

Logistics and Physical

Product color
Jet black bezel; Jet black rear cover
Stand color
Silver; Jet black
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
4.9 kg (with stand); 3.4 kg (without stand)
Packaged Dimensions (W x D x H)
62.1 x 14 x 39.3 cm
Packaged weight
7.2 kg (with stand); 5.7 kg (without stand)

Certification and compliance

Energy efficiency
ENERGY STAR® certified C
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 30% recycled metal including 90% recycled aluminum in the stand[8,9,10,11,12,14]
Certifications
BIS; BSMI; CB; CCC; CE; CECP; CEL; cTUVus; EAC; FCC; GS Mark; ICES; ISO 9241-307; KC; KCC; NOM; PSB; RCM; SEPA; TUV-S; VCCI; WEEE; ISC; California Energy Commission (CEC); WW application; UAE; TGM; Ukraine certificates; NRCS; PSE; Ukraine EE; TÜV Low Blue Light Hardware Solution certified; Works with Chromebook certified; Korea MEPS; CEL Grade 2; 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

Product Numbers
9D9L6UT - 524pf (with stand); 9D9L6A9 - 524pf (without stand); 9D9L6A5 - 524pf (PVC free)
Manufacturer Warranty
HP three-year limited warranty
What's in the box
Monitor; DisplayPort™ cable; HDMI cable; Warranty card; USB Type-B to A cable; Quick Setup Poster; AC power cord[4]
Country of origin
Made in China and Vietnam

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Accessories and services (not included)

HP Business PC Security Lock v3 Kit



Help prevent chassis tampering and secure your PC and display in workspaces and public areas with the affordable HP Business PC Security Lock v3 Kit.
Product number: 3XJ17AA

HP S101 Speaker Bar



Add rich stereo audio to select E-Series monitors, Series 5 Pro monitors and P-Series monitors[1] and keep a clean, clutter-free desk with the HP S101 Speaker Bar, which fits neatly underneath the display head and connects through USB.
Product number: 5UU40AA
[1] Compatible with select E-Series, P-Series, and Series 5 Pro monitors monitors. Please check detailed compatibility on accessory datasheet.
[2] HP includes a one-year limited warranty with online support available 24x7. Consult the HP Customer Support Center for details, or go to www.hp.com/go/orderdocuments. Internet access required and not included.

HP Quick Release Monitor Single Arm



Enjoy more comfort and space with the HP Quick Release Monitor Arm. Easily mount and quickly release select E-Series G5[1], Series 5 Pro[2], and Series 7 Pro[3] monitors to maximize workday comfort and desk space.
Product number: 762U0AA
[1] Compatible with monitors that have 100 x 100 VESA mount and adapter. Quick release attach capability is available for the following E-Series G5 monitors: E22 G5, E24 G5, E24t G5, E24q G5, E27 G5, E27q G5, E24u G5, E27u G5, E27k G5, and E32k G5.
[2] Requires monitor VESA adapter for selected models. Please contact your Sales agent or HP Service for further guidance.

HP B560 PC Mounting Bracket



Create a compact workspace with the HP B560 PC Mounting Bracket. Attach your HP Desktop Mini PC[1] behind select E-Series G5[2], Series 5 Pro[3], or Series 7 Pro[4] monitors for a fully adjustable, space-saving solution.
Product number: 763U8AA
[1] Compatible with Desktop Mini PCs and Workstations that have a 100 mm x 100 mm VESA mount. Use included spacer kit to allow compatibility with HP Thin Clients that have a 100 mm x 100 mm VESA mount.
[2] Compatible with the following E-Series monitors: E22 G5, E24 G5, E24t G5, E24q G5, E27 G5, E27q G5, E24u G5, E27u G5, E27k G5, and E32k G5, E45c G5.

HP Desktop Mini v4+ VESA Sleeve



Wrap your HP Desktop Mini PC in the HP Desktop Mini v4+ VESA Sleeve to securely mount it—with or without an Expansion Module[1,2]—behind your display, position the solution on a wall, and lock it down with the integrated security bracket and optional HP Ultra-Slim Cable Lock.
Product number: 99T54AA
[1] Each sold separately. Expansion Modules are compatible with the HP Desktop Mini v4+ VESA Sleeve (99T54AA). The HP DM VESA Power Supply Holder Kit and HP DM VESA Quick Deploy Adhesive are only compatible with HP Desktop Mini v4+ VESA Sleeve (99T54AA). See product QuickSpecs for exact configurations.
[2] Requires HP Quick Release Monitor Arm, or HP B600/B550/B560 PC mounting bracket for selected models. Please contact your Sales agent or HP Service for further guidance.

HP Series 5 Pro 23.8 inch FHD Monitor - 524pf

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] 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.
[4] HP Series 5 Pro monitor or additional monitor sold separately.
[5] 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.
[6] 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. 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.
[7] 100% of paper-based packaging made from sustainably sourced, certified, and recycled fibers.
[8] AC Power cable, HDMI cable, DisplayPort™ cable, and USB 3.2 A-B cable included. All other cables sold separately.
[9] 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.
[10] 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.
[11] 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™ 1.2 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 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] External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.
[9] Molded pulp cushions are made from 100% recycled wood fiber and organic materials.
[10] 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.
[11] Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.
[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] 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.
[14] 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.
[15]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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