# HP Series 5 Pro 23.8 inch FHD Monitor - 524pf (9D9L6UT)



## Overview

**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.

### 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].

### 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.

### 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.

### Materials that make an impact

This monitor's enclosure contains at least 90% recycled plastic content[6] and comes in packaging with certified or recycled sources of paper packaging.[7]

## Features

### 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]

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*[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 criteria. Recycled metal is expressed as a percentage of the total weight metal as per defined in the EPEAT criteria.*

*[7] 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.*

## Specifications

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|---|---|
| **Color** | Jet black |
| **Display size (diagonal)** | 23.8" |
| **Panel technology** | IPS; LCD |
| **Aspect ratio** | 16:9[1] |
| **Native resolution** | FHD (1920 x 1080)[1,2] |
| **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 |
| **Pixel pitch** | 0.28 x 0.28 mm[1] |
| **Brightness** | 350 nits[1] |
| **Contrast ratio** | 1500:1[1] |
| **Response time (typical)** | 5ms GtG (with overdrive)[1] |
| **Dimensions (W x D x H)** | 21.24 x 1.86 x 12.37 in (without stand) |
| **Weight** | 10.8 lb (with stand); 7.6 lb (without stand) |
| **Display features** | Height Adjust/Tilt/Swivel/Pivot[13] |
| **Onscreen controls** | Brightness+; Color; Image; Input; Power; Menu; Management; Information; Exit |
| **Display colors** | Up to 16.7 million colors supported[1,3] |
| **Display scan frequency (horizontal)** | 30-120 kHz[1] |
| **Display scan frequency (vertical)** | 50-100 Hz[1] |
| **Camera** | No integrated camera |
| **Power** | 100 - 240 VAC 50/60 Hz |
| **Power consumption** | 58 W (maximum), 22 W (typical), 0.5 W (standby) |
| **Operating temperature range** | 5 to 35°C |
| **Operating humidity range** | 20 to 80% RH (non-condensing) |
| **Sustainability specifications** | At least 85% ITE-derived closed loop plastic; Contains ocean-bound plastic; At least 30% recycled metal including 90% recycled aluminum in the stand; Contains 20% recycled glass in the monitor panel; Molded paper pulp cushion inside box is made of 100% recycled or certified sources; Low halogen; Outside box and corrugated cushions are made of 100% recycled or certified sources |
| **Certifications and compliances** | 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 |
| **Physical security** | Standard lock slot[5] |
| **Management Software** | HP Display Center; HP Client Management Script Library[6,15] |
| **UPC number** | 198122903115 |
| **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] |

## Additional specifications

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|---|---|
| **Additional information about HP in the countries** | hp.com |
| **Backlight lamp life minimum (to half brightness)** | 30,000 hours |
| **Backlight type** | Edge-lit; WLED |
| **Base area footprint (imperial)** | 9.53 x 7.46 in |
| **Bezel** | 3-sided borderless with micro-edge bezel |
| **Color gamut** | 100% sRGB |
| **Curvature** | Flat |
| **Datasheet photo 1** | https://hp.widen.net/content/cmapbhvt5i/png/HP_Series_5_Pro_23.8inch_FHD_Monitor_524pf_Jetblack_Catalog_ScrnSH_WhiteBG_Front_M2858512.pn w=800&h=800&position=c&color=ffffff00&quality=80&u=dlkxlp |
| **Datasheet photo 2** | https://hp.widen.net/content/lowosdgxyl/png/HP_Series_5_Pro_23.8inch_FHD_Monitor_524pf_Jetblack_Catalog_ScrnSH_WhiteBG_FrontRight_M28585( w=800&h=800&position=c&color=ffffff00&quality=80&u=dlkxlp |
| **Datasheet photo 3** | https://hp.widen.net/content/zizvyuhd69/png/HP_Series_5_Pro_23.8inch_FHD_Monitor_524pf_Jetblack_Catalog_VisID_GrayBG_Rear_M2876557.png? w=800&h=800&position=c&color=ffffff00&quality=80&u=dlkxlp |
| **Datasheet photo 4** | https://hp.widen.net/content/lic9eby1ik/png/HP_Series_5_Pro_23.8inch_FHD_Monitor_524pf_Jetblack_Catalog_VisID_GrayBG_LeftProfile_M2876558.pn w=800&h=800&position=c&color=ffffff00&quality=80&u=dlkxlp |
| **Display area (imperial)** | 20.75 x 11.67 in |
| **Display contrast ratio (dynamic)** | 10000000:1 |
| **DisplayPort™** | 1 DisplayPort™ 1.2 |
| **EPEAT registered** | EPEAT registered with Climate+[7] |
| **End of Life CO2e (kg)** | 1.631 |
| **Energy Usage CO2e (kg)** | 55.259 |
| **Energy star certified** | ENERGY STAR® certified |
| **Flicker-free** | Yes |
| **HDCP** | Yes, DisplayPort™ and HDMI |
| **HDMI** | 1 HDMI 1.4 |
| **Hardness** | 3H[1] |
| **Haze** | 25% |
| **Height adjustment range** | 150 mm |
| **Horizontal viewing angle** | 178° |
| **Layers per pallet** | Slip Sheet: 5 layers (20 ft, 40 ft); 6 layers (40 ft HQ); Pallet: 5 layers (20 ft, 40 ft); 6 layers (40 ft HQ) |
| **Low blue light** | HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)[1] |
| **Non-Operating Humidity Range** | 5–95% |
| **Operating temperature range** | 41 to 95°F |
| **Package dimensions (W x D x H)** | 24.45 x 5.51 x 15.47 in |
| **Package weight** | 15.9 lb (with stand) |
| **Pallet dimensions** | 46.85 x 35.83 x 77.87 in (20 ft, 40 ft), 46.85 x 35.83 x 93.39 in (40 HQ); Pallet: 48 x 40 x 82.56 in (20 ft, 40 ft), 48 x 40 x 98.03 in (40 HQ) |
| **Pallet weight** | Slip sheet: 962.3 lb (20 ft, 40 ft), 1155.4 lb (40 HQ); Pallet: 999.7 lb (20 ft, 40 ft), 1191.3 lb (40 HQ) |

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|---|---|
| **Panel bit depth** | 8 bit (6 bit + FRC)[1] |
| **Pixels per inch (ppi)** | 93 ppi[1] |
| **Power supply type** | Internal |
| **Product color** | Jet black bezel; Jet black rear cover |
| **Product dimensions with stand (W x D x H)** | 21.24 x 7.46 x 19.81 in |
| **Product long name specifications** | HP Series 5 Pro 23.8 inch FHD Monitor - 524pf, 100 Hz, 100% sRGB, IPS; LCD, No integrated camera, HP Eye Ease (TÜV Low Blue Light Hardware Solution cer |
| **Product short name specifications** | HP Series 5 Pro 23.8 inch FHD Monitor - 524pf, 100 Hz, 100% sRGB, IPS; LCD |
| **Production CO2e (kg)** | 153.254 |
| **Products per pallet** | Slip Sheet: 60 sets (20 ft, 40 ft); 72 sets (40 ft HQ); Pallet: 60 sets (20 ft, 40 ft); 72 sets (40 ft HQ) |
| **Products per pallet layer** | 12 |
| **Refresh rate (maximum)** | 100 Hz |
| **Resolution (maximum)** | FHD (1920 x 1080 @ 100 Hz)[1] |
| **Screen treatment** | Anti-glare |
| **Special features** | Progressive white balance; Works with Chromebook |
| **Stand color** | Silver; Jet black |
| **Stand type** | Base stand; With stand; Height adjustable stand |
| **Swivel** | ±45° |
| **TCO Certified** | TCO Certified, generation 10; TCO Certified, Edge |
| **Technology logo 1** | https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08737446.png |
| **Technology logo 2** | AHID/0af0b73da3cedf6ed8052d5292d695d19bc2e41f |
| **Technology logo 3** | https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08717783.png |
| **Tilt** | -5 to +23° |
| **Total CO2e (kg)** | 212.238<br>*(A product carbon footprint is defined as the total amount of greenhouse gases emitted directly and indirectly by a product over its lifetime Greenhouse gas emissions are reported as global warming potential for 100-year time horizon (GWP-100) in units of CO2 equivalence. Calculations are done in accordance with ISO 14040 & ISO 14044. Individual values may not sum to total due to rounding.)* |
| **Transportation CO2e (kg)** | 2.094 |
| **UNSPSC code** | 43211902 |
| **USB Type-A** | 4 USB Type-A 5Gbps signaling rate (1 charging) |
| **Usb b (hub enablement)** | 1 USB-B |
| **VESA mounting** | 100 x 100 mm |
| **Vertical viewing angle** | 178° |
| **Video connectors** | HDMI; DisplayPort™-in |
| **Viewable diagonal size** | 23.8" (60.47 cm) |
| **pivot** | ±90° |

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*[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.*

*[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.*

*[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.*

# Services

## Workforce Computing

★ : Recommended

### Support Services (Workforce Computing)

| | |
|---|---|
| HP 1y Post Warranty Next Business Day Response Advanced Exchange DisplayHardware Support | U0J16PE |
| HP 4y Next Business Day Response Advanced Exchange Large DisplayHardware Support | U0J12E |
| HP 5y Next Business Day Response Advanced Exchange Large Display Hardware Support | U0J13E |

### Certified Refurbished Services (Workforce Computing)

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|---|---|
| HP Carbon Emissions Sync - To the Door Service for Display | U53DHE |
| HP Carbon Emissions Sync - To the Door with Usage Service for Display | U53DJE |

## Accessories for PC

### Stands/Mounting Brackets

★ : Recommended

#### Mounting Brackets

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|---|---|
| HP B560 PC Mounting Bracket | 763U8AA |

#### Stands

| | |
|---|---|
| HP Quick Release Monitor Single Arm | 762U0AA |

### Security

#### Security Cables

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|---|---|
| HP Business PC Security Lock v3 Kit | 3XJ17AA |

### Components/Upgrades

#### Chassis/Rails

| | |
|---|---|
| HP Desktop Mini v4+ VESA Sleeve | 99T54AA |

### Audio Devices

#### PC Speakers

| | |
|---|---|
| HP S101 Speaker Bar | 5UU40AA |

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