



# HP Series 5 Pro 23.8 inch FHD Monitor - 524pf (9D9L6AL)



## 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

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.

# 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.<sup>[1]</sup>

## 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.<sup>[1]</sup>

## 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.<sup>[1]</sup>

## More Contrast

See the nuanced differences of color, shadow, and highlights thanks to the enhanced 1500:1 contrast ratio.<sup>[1]</sup>

## High Brightness

350 nits of brightness lets you see clearly. Enhance your visual performance for work or simply enjoying entertainment.<sup>[1]</sup>

## 100% sRGB Color Gamut

Enjoy highly accurate colors on screen with 100% sRGB. This HP monitor provides ideal color reproduction with minimal effort.<sup>[1]</sup>

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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® 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.*

## Specifications

<b>Color</b>	Jet black
<b>Display size (diagonal)</b>	23.8"
<b>Panel technology</b>	IPS
<b>Display size (diagonal)</b>	60.5 cm (23.8")
<b>Aspect ratio</b>	16:9 <sup>[1]</sup>
<b>Native resolution</b>	FHD (1920 x 1080) <sup>[1,2]</sup>
<b>Resolutions supported</b>	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
<b>Pixel pitch</b>	0.28 x 0.28 mm <sup>[1]</sup>
<b>Brightness</b>	350 nits <sup>[1]</sup>
<b>Contrast ratio</b>	1500:1 <sup>[1]</sup>
<b>Response time (typical)</b>	5ms GtG (with overdrive) <sup>[1]</sup>
<b>Minimum dimensions (W x D x H)</b>	53.94 x 4.72 x 31.43 cm (without stand)
<b>Minimum dimensions (W x D x H)</b>	21.24 x 1.86 x 12.37 in (without stand)
<b>Dimensions With Stand (W x D x H)</b>	53.94 x 18.95 x 50.32 cm
<b>Weight</b>	4.9 kg (with stand)
<b>Weight</b>	10.8 lb (with stand)
<b>Display features</b>	Anti-glare; Height Adjust/Tilt/Swivel/Pivot; HP Eye Ease; Progressive white balance <sup>[13]</sup>
<b>Onscreen controls</b>	Brightness+; Color; Image; Input; Power; Menu; Management; Information; Exit
<b>Display colors</b>	Up to 16.7 million colors supported <sup>[1,3]</sup>
<b>Display scan frequency (horizontal)</b>	30-120 kHz <sup>[1]</sup>
<b>Display scan frequency (vertical)</b>	50-100 Hz <sup>[1]</sup>
<b>Power</b>	100 - 240 VAC 50/60 Hz
<b>Power consumption</b>	58 W (maximum), 22 W (typical), 0.5 W (standby)
<b>Operating temperature range</b>	5 to 35°C
<b>Operating humidity range</b>	20 to 80% RH (non-condensing)

**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% ITE-derived closed loop plastic; At least 30% recycled metal; Contains ocean-bound plastic; Contains 20% recycled glass in the monitor panel

**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; 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**

Security lock-ready<sup>[5]</sup>

**Management Software**

HP Display Center; HP Display Manager

**UPC number**

198415287243

**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<sup>[4]</sup>

## Additional specifications

<b>Backlight lamp life</b>	30,000 hours
<b>Backlight type</b>	Edge-lit; WLED
<b>Base area footprint (imperial)</b>	9.53 x 7.46 in
<b>Base area footprint (metric)</b>	24.2 x 18.95 cm
<b>Bezel</b>	3-sided borderless
<b>Color gamut</b>	100% sRGB
<b>Curvature</b>	Flat
<b>Datasheet photo 1</b>	AHID/90eb0dce7572273344a67225ea7cc51c2a3bdb8c
<b>Datasheet photo 2</b>	AHID/175195647343d37787b99a125e95bdc037f73e88
<b>Datasheet photo 3</b>	AHID/6a441fccf462af98f5757b5f0af1300ea626ef79
<b>Datasheet photo 4</b>	AHID/e8d455accfcf10dc1608989a5d0ef4aab1c97d7f
<b>Display area (imperial)</b>	20.75 x 11.67 in
<b>Display area (metric)</b>	52.7 x 29.65 cm
<b>Display contrast ratio (dynamic)</b>	10000000:1
<b>DisplayPort™</b>	1 DisplayPort™ 1.2
<b>Ecolabels</b>	TCO Certified; TCO Certified Edge; EPEAT® registered with Climate+
<b>Energy star certified</b>	ENERGY STAR® certified
<b>Flicker-free</b>	Yes
<b>HDCP</b>	Yes, DisplayPort™ and HDMI
<b>HDMI</b>	1 HDMI 1.4
<b>Hardness</b>	3H <sup>[1]</sup>
<b>Haze</b>	25%
<b>Height adjustment range</b>	150 mm
<b>Horizontal viewing angle</b>	178°
<b>Low blue light</b>	Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified) <sup>[1]</sup>
<b>Non-Operating Humidity Range</b>	5–95%
<b>Operating temperature range</b>	41 to 95°F
<b>Package dimensions (W x D x H)</b>	24.45 x 5.51 x 15.47 in
<b>Package dimensions (W x D x H)</b>	62.1 x 14 x 39.3 cm
<b>Package weight</b>	15.9 lb (with stand)
<b>Package weight</b>	7.2 kg (with stand)
<b>Panel bit depth</b>	8 bit (6 bit + FRC) <sup>[1]</sup>
<b>Pixels per inch (ppi)</b>	93 ppi <sup>[1]</sup>

<b>Power supply type</b>	Internal
<b>Product dimensions with stand (W x D x H)</b>	21.24 x 7.46 x 19.81 in
<b>Refresh rate (maximum)</b>	100 Hz
<b>Resolution (maximum)</b>	FHD (1920 x 1080 @ 100 Hz) <sup>[1]</sup>
<b>Screen treatment</b>	Anti-glare
<b>Stand color</b>	Silver; Jet black
<b>Stand type</b>	With stand; Height adjustable stand
<b>Technology logo 1</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08737446.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08737446.png</a>
<b>Technology logo 2</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03123379.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03123379.png</a>
<b>Technology logo 3</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08717783.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08717783.png</a>
<b>Tilt</b>	-5 to +23°
<b>UNSPSC code</b>	43211902
<b>USB Type-A</b>	4 USB Type-A 5Gbps signaling rate (1 charging)
<b>Usb b (hub enablement)</b>	1 USB-B
<b>Vertical viewing angle</b>	178°
<b>Viewable diagonal size</b>	23.8" (60.47 cm)
<b>pivot</b>	±90°
<b>swivel</b>	±45°

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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.*

*[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.*

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## Accessories for PC

### Stands/Mounting Brackets

★ : Recommended

#### Mounting Brackets

HP B560 PC Mounting Bracket	763U8AA
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#### Stands

HP Quick Release Monitor Single Arm	762U0AA
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### Security

#### Security Cables

HP Business PC Security Lock v3 Kit	3XJ17AA
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### Components/Upgrades

#### Chassis/Rails

HP Desktop Mini v4+ VESA Sleeve	99T54AA
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### Audio Devices

#### PC Speakers

HP S101 Speaker Bar	5UU40AA
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