Datasheet

# HP Series 5 23.8 inch FHD Monitor - 524da

## Exactly what you need throughout your day

Take on a full day of projects, meetings, and more with this HP Series 5 23.8" FHD Monitor. Its sleek design complements any workspace, while the beautiful screen, adjustable stand, and built-in dual speakers bring your productivity to the next level.



*Product image may differ from actual product

100 Hz

### Life-like color. Deeper detail.

Upgrade your workday with this vibrant 23.8" FHD monitor. See it all with crystal clear viewing from any angle thanks to IPS technology, 99% sRGB, and a 1500:1 contrast ratio. A 100 Hz refresh rate[1] delivers smooth scrolling and video playback.

### Well-crafted to fit any space

This sleek, metal gray monitor is designed to look great in any space. Enjoy crisp audio with dual backfiring 2 W speakers built in, keeping your desk clutter-free. The 3-sided borderless design lets you expand your view seamlessly in a dual-monitor setup.

HP Eye Ease

### Elevate your comfort

Designed with you in mind, the 100 mm height- and tilt-adjustable stand and Ergonomic Setup Guide[2] give you customized comfort right at your fingertips. Plus, HP Eye Ease limits blue light to keep your eyes comfortable without impacting color accuracy.

## Sustainability in action

Designed with purpose

This monitor contains at least 90% recycled plastic, 20% recycled glass in the panel,[3] and meets high energy-saving standards with ENERGY STAR® certification and EPEAT registration[4] to reduce power consumption.

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## Featuring

**Smoother Screentime**
A 100 Hz refresh rate ensures seamless scrolling and smooth, stutter-free viewing.[1]

**More Contrast**
See the nuanced differences of color, shadow, and highlights thanks to 300 nits brightness and an enhanced 1500:1 contrast ratio.[1]

**99% sRGB Color Gamut**
Enjoy what you see on screen with a 99% sRGB[1] color gamut. This HP monitor provides consistent and ideal color reproduction for vibrant images and videos.

**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.[5]

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

**Compact, Sleek Design**
Fit for any space with a sleek, thin-and-light profile and metal gray color, this beautiful monitor looks great on its own or as part of a seamless dual-monitor setup. Built-in cable management keeps your desk clutter-free.

**3-Sided Micro-Edge Bezel**
See and do more on this 23.8" 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 Dual 2W Speakers**
Thrive with a monitor that sounds as good as it looks with built-in dual 2-watt speakers for a complete audio experience.

**Integrated Cable Management**
Cord and wire pass-through located on the monitor stand reduces cord-clutter and helps keep your workspace clean and organized.

**HP Eye Ease**
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.

**Adjustable Height and Tilt**
The 100 mm height- and tilt-adjustable stand helps deliver the perfect view so you can maximize productivity and work comfortably.

**Ergonomic Setup Guide**
With world-class practices at your fingertips, you have the knowledge to fine-tune your monitor's adjustability to achieve optimal, all-day comfort thanks to the step-by-step Ergonomic Setup Guide in HP Display Center.[2]

**Plenty of Ports**
1 HDMI 1.4, 1 VGA, and 2 Audio (input/output) ports provide more options to connect so you're prepared for unhindered productivity.

**Materials that Matter**
This monitor contains at least 90% post-consumer recycled plastics, 10% recycled metal in the stand, and 20% recycled glass in the panel to help reduce the raw materials we use. It's all part of our commitment to helping our shared world.[6]

**Increased Energy Efficiency**
HP is dedicated to driving progress toward a more sustainable future through continued EPEAT® leadership and improved energy efficiency. This display is held to the highest energy saving standard with an ENERGY STAR® rating and EPEAT® Registration.[4]

**Thoughtful Product Packaging**
100% of HP paper-based packaging  is from recycled or certified sustainable sources.[7]

**HP Display Center**
Customize your display with easy, intuitive HP Display Center software that lets you tailor your settings, partition screens, and even dim the screen—all through the host PC.[2,8]

**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.[9]

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## Specifications

### Display specifications

| | |
|---|---|
| Display size | 60.5 cm (23.8") |
| Viewable diagonal size | 23.8" (60.5 cm) |
| Aspect ratio | 16:9[1] |
| Curvature | Flat |
| Native resolution | FHD (1920 x 1080)[1,2] |
| Resolution (maximum) | FHD (1920 x 1080 @ 100 Hz) |
| 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; 1920 x 1080 @ 100 Hz; 1280 x 800 @ 60 Hz; 1920 x 1080 @ 75 Hz |
| Panel type | IPS; LCD |
| 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[3] |
| Display color gamut | 99% sRGB[1] |
| Refresh rate (maximum) | 100 Hz |
| Display scan frequency | 48-100 Hz (Vertical)[1]; 30-113 kHz (Horizontal)[1] |
| Response time | 5ms GtG (with overdrive)[1] |
| Brightness | 300 nits[1] |
| Contrast ratio | 1500:1 (Static)[1] 8,000,000:1 (Dynamic)[1] |
| Pixel pitch | 0.2745 x 0.2745 mm[1] |
| Pixels per inch (ppi) | 93 ppi |
| Viewing angle | 178° (Vertical) 178° (Horizontal) |
| Backlight type | Edge-lit |
| 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 |
| Low blue light modes | HP Eye Ease (TÜV Low Blue Light Hardware Solution certified) |
| Flicker-free | Yes |
| Screen treatment | Anti-glare |
| Hardness | 3H[1] |
| Haze | 25% |
| Adjustability | Height adjustment range: 100 mm<br>Tilt: -5 to +25° |
| Camera | No integrated camera |
| Speaker output power | 2 x 2 W; |

### Connectivity and communications

| | |
|---|---|
| Port and connectors | 1 HDMI 1.4<br>1 VGA<br>1 x 3.5 mm Audio Jack (Audio Out); 1 x 3.5 mm Audio Jack (Audio In) |
| HDCP | Yes, HDMI |
| Power supply | Input voltage 100 to 240 VAC, 50/60 Hz (External) |

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## Specifications

### Appearance

| | |
|---|---|
| Product color | Black |
| Stand color | Metal gray |
| Detachable stand | Yes |
| Physical security | Standard lock slot[11] |
| Base area footprint | 18.2 x 19.15 cm |
| Dimensions without Stand (W x D x H) | 53.58 x 3.4 x 31.56 cm (without stand) |
| Dimensions with stand (W x D x H) | 53.58 x 20.22 x 45.98 cm |
| Weight | 3.52 kg (with stand); 2.22 kg (without stand) |
| Packaged Dimensions (W x D x H) | 61 x 12.1 x 39.9 cm |
| Packaged weight | 5.93 kg |

### Certification and compliance

| | |
|---|---|
| Energy efficiency class (SDR) | E   |
| On mode power demand in Standard Dynamic Range (SDR) | 15 W |
| Standby mode power demand | 0.5 W |
| Energy efficiency | ENERGY STAR® certified |
| TCO certified | TCO Certified, generation 10[14] |
| EPEAT registered | EPEAT registered with Climate+[4] |
| Sustainable impact specifications | At least 90% post-consumer recycled plastic including 5% ocean bound plastic; At least 10% recycled metal; Low halogen; Outside box and corrugated cushions are made of 100% recycled or certified sources[5,6,7,8,9] |
| Certifications | Australian-New Zealand MEPS; BIS; BSMI; CB; CCC; CE; CECP; CEL; CEL Grade 1; cTUVus; EAC; ErP; FCC; ICES; ISO 9241-307; KC; KCC; NOM; SEPA; TUV Bauart; VCCI; Vietnam MEPS; Ukraine Energy label; California Energy Commission (CEC); UAE; TGM; NRCS of South Africa; UAE ECAS; TÜV Low Blue Light Hardware Solution certified; UAE RoHS; KMEPS; Ukraine CoC; Ukraine NSoC; Flicker free |
| Microsoft WHQL certification | Windows 11; Windows 10[14] |
| Environmental | Operating temperature range: 5 to 35°C<br>Non-operating temperature range -40 to 65°C<br>Operating humidity: 20 to 80% RH (non-condensing)<br>Non-operating humidity: 5 - 95 %<br>Operating altitude: Up to 5,000 m<br>Non-operating altitude: Up to 12,192 m |

### Additional information

| | |
|---|---|
| Manufacturer Warranty | HP three-year limited warranty |
| Zero bright dot warranty | Yes |
| What's in the box | Monitor; HDMI cable; Power adapter; AC power cord; Document kit[10] |
| 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] 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.
[3] 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. 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.
[4] EPEAT registered where applicable, tier levels may vary by country. See www.epeat.net for registration status and tier levels by country.
[10] Based on internal testing of HP Series 7 Pro and HP Series 5 Pro monitors with USB Type-C® or HDMI connections to devices on macOS and Windows, March 2024 and September 2024. Requires USB Type-C® or HDMI connectivity. Some features may not be supported.
[5] FHD content required to view full FHD images.
[6] Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 EPEAT® standard. Plastics consist of 90% Post-Consumer Recycled material, with 85% Recycled Information Technology Equipment (ITE) + 5% Ocean-Bound Plastics (PET). 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.
[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.
[8] Host PC requires Windows 10 or higher. HP Display Center is available on the Microsoft store.
[9] 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.

## 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] 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 (native) with 8-bit color using one HDMI or VGA.
[3] Number of colors through A-FRC technology.
[4] 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.
[5] Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.
[6] All plastic parts contain ocean-bound plastic. Percentage of ocean-bound plastic contained in each component varies by product.
[7] 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.
[8] External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.
[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] Included cables may vary by country.
[11] Lock sold separately.
[12] Host PC requires Windows 10 and above. HP Display Center is available on the Microsoft store.
[13] Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com.
[14] TCO Certified is a ISO 14024 Type 1 sustainability label for IT products. Compliance with all criteria is independently verified.

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