Datasheet

HP Series 5 23.8 inch FHD Height Adjust Monitor - 524sh

Freedom to work your way

When you need the right tech to take on a day full of projects, meetings, and more, you need the HP Series 5 23.8-inch FHD Height Adjust Monitor. Its sleek design complements any workspace. And its beautiful screen, adjustable stand, and comfort features take your productivity to the next level. Bring flexibility to the way you work through enhanced visual performance, contrast ratio, and refresh rate.[1]



*Product image may differ from actual product

100 Hz

Life-like color. Deeper detail.

Upgrade your everyday with a vibrant 23.8" FHD monitor. Enjoy all you see as it was meant to be seen with enhanced 99% sRGB, 1500:1 contrast ratio, and 300 nits brightness.[1] Work or multitask with a 100 Hz refresh rate that delivers seamless scrolling and smooth video playback.

HP Eye Ease

Heighten your comfort

From working through crunch time to focusing on you-time, this 23.8" FHD monitor lets you customize your comfort with a height-and tilt-adjust stand. The Ergonomic Setup Guide[2] gets you started by giving you customized comfort right at your fingertips in HP Display Center. Plus, HP Eye Ease with Eyesafe® certification[3] limits blue light to keep your eyes comfortable without impacting color accuracy.

Thin. Light. Exactly right.

Discover a beautiful 23.8" FHD monitor with a thin-and-light design and simplified cable management that fits your style and maximizes your space. Its sleek, 3-sided ultra-thin bezel lets you stay immersed and focused to what's on screen. Pair a second monitor to create a virtually seamless expansive view, while keeping every device connected and ready with HDMI and VGA ports for a better way to be productive.

Sustainability in action

Built for a better tomorrow

The better choice for a brighter tomorrow, these HP Series 5 monitors are built with a design using 85% recycled materials and 5% ocean-bound plastics[4] to help reduce the raw materials we use. With 100% sustainably sourced packaging[5] and an EPEAT® Gold Registered and ENERGY STAR® Certified[6] design, you can be confident knowing you have a monitor that does good things for the planet while doing amazing things for you.

eyesafe CERTIFIED 2.0 | ENERGY STAR | works with chromebook | epeat GOLD

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Featuring







Works With Chromebook Certified
Works seamlessly with your Chromebook.[7,8]

Compact, Sleek Design
A beautiful monitor fit for any space with a sleek, thin-and-light profile and the option for seamless side-by-side screens. Integrated cable containment to cut the clutter.

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.[9]

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

99% sRGB Color Gamut
Ideal, consistent color reproduction with minimal effort.

3-Sided Micro-Edge Bezel
Maximize your viewing area to see and do more.

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

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

100 Hz Refresh Rate
With a 100 Hz refresh rate this monitor is capable of clearer details, smoothly moving from frame to frame, allowing for faster split-second reaction time.[1]

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

HP Eye Ease with Eyesafe® Certification
Help keep your eyes comfortable with an always-on, true-color, low-blue light filter.[3]

Ergonomic Setup Guide
World-class ergonomic practices to help you achieve optimal, all-day comfort.[2]

Integrated Cable Management
Help keep your workspace clean and organized.

HP Display Center
Customize your display with easy, intuitive HP Display Center software.[10]

Materials that Matter
Made with 85% post-consumer recycled plastics and 5% ocean-bound plastics.[4]

Thoughtful Product Packaging
100% sustainably sourced packaging that helps contribute to a more circular economy.[5]

Increased Energy Efficiency
This display is held to the highest energy saving standard with an ENERGY STAR® rating and EPEAT® Registration.[6]

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Specifications

Display specifications

Display size
23.8"
Display size (diagonal, metric)
60.5 cm (23.8")
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; 720 x 400; 800 x 600; 1024 x 768; 1280 x 720; 1280 x 800; 1280 x 1024; 1440 x 900; 1600 x 900; 1680 x 1050; 1920 x 1080
Panel type
IPS
Bezel
3-sided micro-edge
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
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] 10000000:1 (Dynamic)[1]
Pixel pitch
0.28 x 0.28 mm
Pixels per inch (ppi)
93 ppi[1]
Viewing angle
178° (Vertical)[1] 178° (Horizontal)[1]
Backlight type
Edge-lit
Backlight lamp life
30,000 hours
Display features
On-screen controls; Anti-glare; Height adjustable; HP Eye Ease
Display User Control Options
Management; Information; Exit; Input; Color; Image; Power; Menu; Brightness+
Management software
HP Display Center[11]
Low blue light modes
Yes, HP Eye Ease (Eyesafe® Certified)
Flicker-free
Yes
Screen treatment
Anti-glare
Hardness
3H[1]
Haze
25%
Height adjustment range
100 mm
Tilt
-5 to +25°
Camera
No integrated camera

Connectivity and communications

Port and connectors
1 HDMI 1.4
1 VGA
HDCP
Yes, HDMI
Power supply
Input voltage 100 to 240 VAC, 50/60 Hz
(External)
Power consumption
20 W (maximum), 16 W (typical), 0.5 W (standby)

Logistics and Physical

Product color
Black
Stand color
Silver
Detachable stand
Yes
Physical security
Security lock-ready[10]
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
Dimensions with stand (W x D x H)
53.58 x 20.22 x 45.98 cm
Weight
3.45 kg (with stand)
Packaged Dimensions (W x D x H)
61 x 12.1 x 39.9 cm
Packaged weight
6.19 kg
Pallet Dimensions (L x W x H)
114.5 x 99 x 213.5 cm
Pallet weight
453 kg
Pallet (layers)
5
Products per layer
14
Products per pallet
70

Certification and compliance

Energy efficiency
ENERGY STAR® certified E
Ecolabels
EPEAT® Gold registered[4]
Environmental specifications
Low halogen; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; 85% post-consumer recycled plastic; 5% ocean-bound plastic[5,6,7,8]
Certifications
Australian-New Zealand MEPS; BIS; BSMI; CB; CCC; CE; CECP; CEL; CEL Grade 1; cTUVus; EAC; ENERGY STAR®; ErP; FCC; ICES; ISO 9241-307; KC; KCC; NOM; TUV Bauart; VCCI; Vietnam MEPS; Ukraine Energy label; California Energy Commission (CEC); South Africa Energy; WW application; NRCS of South Africa; Eyesafe® Certified; TÜV Flicker free certified; UAE ECAS; UAE RoHS; Works with Chromebook certified; Microsoft WHQL Certification (Windows 11 and Windows 10); KMEPS; Ukraine CoC; Ukraine NSoC
Microsoft WHQL certification
Windows 11; Windows 10
Operating temperature range
41 to 95°F
Operating humidity range
20 to 80% RH (non-condensing)

Additional information

Part Number
P/N: 94C19AA#ABB:; #A2N; #ABT; #ABU; #ABV; #ABY; #ACQ; #UUG; #UUZ
UPC code: 197498936420
Manufacturer Warranty
HP two-year limited warranty
What's in the box
Monitor; HDMI cable; Power adapter; AC power cord; Document kit[9]
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] HP Eye Ease hardware that does not impact color accuracy used with Eyesafe. Eyesafe® certified website: https://eyesafe.com/
[4] 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).
[5] 100% outer box/corrugate cushion packaging made from sustainably sourced certified and recycled fibers. Fiber cushions made from 100% recycled wood fiber and organic material. Any plastic cushions are made from >90% recycled plastic. Excludes plastic bags and plastic foam sheeting.
[6] Based on US EPEAT® registration according to IEEE 1680.1-2020 EPEAT®. Status varies by country. Visit www.epeat.net for more information.
[7] Google tested to meet Chromebook compatibility standards.
[8] 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.
[9] FHD content required to view full FHD images.
[10] Host PC requires Windows 10 or higher. HP Display Center is available on the Microsoft store.

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] Included cables may vary by country.
[10] Lock sold separately.
[11] Host PC requires Windows 10 and above. HP Display Center is available on the Microsoft store.

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