

# HP Series 5 23.8 inch FHD Monitor with Speakers - 524sa

## See and hear more of what you love

Get lost in any passion project with the HP Series 5 23.8-inch FHD Monitor with Speakers. Its sleek design with integrated dual 2W audio gives you the flexibility to fully enjoy your entertainment, and its vibrant color and deep contrast ratio lets you see everything as it was meant to be seen. Enhance your screen time and your pastime with a higher refresh rate<sup>1</sup> for a screen-tear-free experience.



\*Product image may differ from actual product

100Hz

### Enjoy more of what you love in colorful detail

Sit back and soak in all the content you love with this exceptional 23.8" FHD monitor. Experience colorful imagery and vibrant detail like they were intended with 99% sRGB color, deep 1500:1 contrast ratio, and 300 nits brightness.<sup>1</sup> Its 100 Hz refresh rate delivers seamless scrolling and smooth, stutter-free viewing.

HP Eye Ease

### Designed with your comfort in mind

From mastering new skills to diving into a hobby, this 23.8" FHD monitor is designed to help keep you focused. With a tilt adjust stand and the Ergonomic Setup Guide<sup>2</sup> in HP Display Center, you can customize your comfort. HP Eye Ease with Eyesafe<sup>®</sup> certification<sup>3</sup> limits blue light to keep your eyes comfortable without impacting color accuracy, so you can do more, longer.



### Thin. Light. Exactly right.

This thin-and-light 23.8" FHD monitor is designed to look great in any space. Whether learning, playing, or watching content, enjoy crisp audio with integrated dual 2W speakers. Its ultra-thin 3-sided borderless design lets you create a seamless dual-screen setup for enhanced viewing. Plus, have more options to connect with HDMI 1.4 and VGA ports.

## 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<sup>4</sup> to help reduce the raw materials we use. With 100% sustainably sourced packaging<sup>5</sup> and an EPEAT<sup>®</sup> Silver Registered and ENERGY STAR<sup>®</sup> Certified<sup>6</sup> design, you can be confident knowing you have a monitor that does good things for the planet while doing amazing things for you.

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## Featuring



### Works With Chromebook Certified

Works seamlessly with your Chromebook.<sup>7,8</sup>

### 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. Built-in speakers for crisp audio.

### 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>9</sup>

### IPS Panel

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

### Built-In Dual 2W Speakers

Built-in dual 2-watt speakers for a complete work-or-play experience.

### 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 more vibrant color, shadow, and highlights with a 1500:1 contrast ratio.<sup>1</sup>

### 300 Nits

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

### 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.<sup>1</sup>

### Adjustable Tilt

The tilt-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.

### Ergonomic Setup Guide

World-class ergonomic practices to help you achieve optimal, all-day comfort.<sup>2</sup>

### Integrated Cable Management

Help keep your workspace clean and organized.

### HP Display Center

Customize your display with easy, intuitive HP Display Center software.<sup>10</sup>

### Materials that Matter

Made with 85% post-consumer recycled plastics and 5% ocean-bound plastics.<sup>4</sup>

### Thoughtful Product Packaging

100% sustainably sourced packaging that helps contribute to a more circular economy.<sup>5</sup>

### Increased Energy Efficiency

This display is held to the highest energy saving standard with an ENERGY STAR® rating and EPEAT® Registration.<sup>6</sup>



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## Specifications

### Display specifications

**Display size**  
23.8"

**Display size (diagonal, metric)**  
60.5 cm (23.8")

**Aspect ratio**  
16:9<sup>1</sup>

**Curvature**  
Flat

**Native resolution**  
FHD (1920 x 1080)<sup>1,2</sup>

**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)<sup>1</sup>

**Display colors**  
Up to 16.7 million colors supported<sup>3</sup>

**Display color gamut**  
99% sRGB

**Refresh rate (maximum)**  
100 Hz

**Display scan frequency**  
48-100 Hz (Vertical)<sup>1</sup> 30-113 kHz (Horizontal)<sup>1</sup>

**Response time**  
5ms GtG (with overdrive)<sup>1</sup>

**Brightness**  
300 nits<sup>1</sup>

**Contrast ratio**  
1500:1 (Static)<sup>1</sup> 10000000:1 (Dynamic)<sup>1</sup>

**Pixel pitch**  
0.28 x 0.28 mm

**Pixels per inch (ppi)**  
93 ppi<sup>1</sup>

**Viewing angle**  
178° (Vertical)<sup>1</sup> 178° (Horizontal)<sup>1</sup>

**Backlight type**  
Edge-lit

**Backlight lamp life**  
30,000 hours

**Display features**  
On-screen controls; Anti-glare; Integrated speakers; HP Eye Ease

**Display User Control Options**  
Management; Information; Exit; Input; Color; Image; Power; Menu; Brightness+

**Management software**  
HP Display Center<sup>11</sup>

**Low blue light modes**  
Yes, HP Eye Ease (Eyesafe® Certified)

**Flicker-free**  
Yes

**Screen treatment**  
Anti-glare

**Hardness**  
3H<sup>1</sup>

**Haze**  
25%

**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  
1 VGA  
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)

**Power consumption**  
30 W (maximum), 21 W (typical), 0.5 W (standby)

### Logistics and Physical

**Product color**  
White

**Stand color**  
Silver

**Detachable stand**  
Yes

**Physical security**  
Security lock-ready<sup>10</sup>

**Base area footprint**  
20.17 x 17.72 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 17.72 x 39.68 cm

**Weight**  
2.58 kg (with stand)

**Packaged Dimensions (W x D x H)**  
61 x 12.1 x 39.9 cm

**Packaged weight**  
5.34 kg

**Pallet Dimensions (L x W x H)**  
114.5 x 99 x 213.5 cm

**Pallet weight**  
395 kg

**Pallet (layers)**  
5

**Products per layer**  
14

**Products per pallet**  
70

### Certification and compliance

**Energy efficiency**  
ENERGY STAR® certified E

**Ecolabels**  
EPEAT® Silver registered<sup>4</sup>

**Environmental specifications**  
Low halogen; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; 85% post-consumer recycled plastic; 5% ocean-bound plastic<sup>5,6,7,8</sup>

**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: 94C36E9#ABB; #A2N; #ABT; #ABU; #ABV; #ABY; #ACQ; #UUG; #UUZ  
UPC code: 197498938035

**Manufacturer Warranty**  
HP two-year limited warranty

**What's in the box**  
Monitor; HDMI cable; Power adapter; AC power cord; Document kit<sup>9</sup>

**Country of origin**  
Made in China



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## Footnotes

### Messaging Footnotes

- <sup>1</sup> All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
- <sup>2</sup> 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.
- <sup>3</sup> HP Eye Ease hardware that does not impact color accuracy used with Eyesafe. Eyesafe® certified website: <https://eyesafe.com/>
- <sup>4</sup> 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).
- <sup>5</sup> 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.
- <sup>6</sup> Based on US EPEAT® registration according to IEEE 1680.1-2020 EPEAT®. Status varies by country. Visit [www.epeat.net](http://www.epeat.net) for more information.
- <sup>7</sup> Google tested to meet Chromebook compatibility standards.
- <sup>8</sup> 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.
- <sup>9</sup> FHD content required to view full FHD images.
- <sup>10</sup> Host PC requires Windows 10 or higher. HP Display Center is available on the Microsoft store.



### Technical Specifications Footnotes

- <sup>1</sup> All specifications represent the typical specifications provided by HP's component manufacturers, actual performance may vary either higher or lower.
- <sup>2</sup> 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.
- <sup>3</sup> Number of colors through A-FRC technology.
- <sup>4</sup> EPEAT® registered where applicable. EPEAT® registration varies by country. See [www.epeat.net](http://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](http://www.epeat.net) for more information.
- <sup>5</sup> Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.
- <sup>6</sup> All plastic parts contain ocean-bound plastic. Percentage of ocean-bound plastic contained in each component varies by product.
- <sup>7</sup> 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.
- <sup>8</sup> External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.
- <sup>9</sup> Included cables may vary by country.
- <sup>10</sup> Lock sold separately.
- <sup>11</sup> Host PC requires Windows 10 and above. HP Display Center is available on the Microsoft store.

