

# HP Series 3 Pro 23.8 inch FHD Monitor - 324pe

## Optimize Your Everyday Tasks

Make the most out of your workday on this 23.8-inch FHD, energy-efficient monitor. Boost productivity with just the right visual features while also experiencing great comfort with a screen that you can adjust to your ideal position.



\*Product image may differ from actual product



### Enhanced Visuals

This 23.8-inch FHD monitor is equipped with what you need to complete your everyday tasks. It boasts a quality IPS screen that's visible from any angle and up to 100 Hz refresh rate<sup>1,2</sup> for sharp images and fluid motion.



### Ideal Comfort

Elevate your comfort with 4-way adjustability and Ergonomic Setup Guide<sup>3</sup> via HP Display Center.<sup>4</sup> Plus, enjoy eye comfort with HP Eye Ease, an always-on hardware low-blue light filter that doesn't impact color accuracy.



### Designed to Help You Focus

Streamline your desk with a monitor that helps you stay focused. Cut the clutter with neat cable management, and a 3-sided borderless design to cleanly pair dual monitors. Plus, two 2W speakers built in for a better audio experience.

## Sustainability in action

### Built for a Better Tomorrow

This energy-efficient monitor is thoughtfully designed with at least 85% post consumer recycled plastics in the monitor enclosure<sup>5</sup>, 20% recycled glass in the monitor panel<sup>6</sup>, and 100% of paper-based packaging is from recycled or certified sustainable sources.<sup>7</sup>



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## Featuring

### 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>1,8</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>

### Ergonomic Setup Guide

With world-class ergonomic practices at your fingertips, you have the knowledge to fine-tune your display's 4-way adjustability to achieve optimal comfort, all day, thanks to the step-by-step Ergonomic Setup Guide in HP Display Center.<sup>3,4</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>

### Built-In Dual 2W Speakers

Customize your monitor with easy to use, intuitive HP Display Center software that lets you tailor your settings, partition screens, and even dim the screen—all through the host PC.

### Good Contrast

See the nuanced differences of color, shadow, and highlights thanks to the 1000:1 contrast ratio.<sup>1</sup>

### Always-on, True Color, Low-Blue Light Filter

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.

### Essential Ports

This monitor is ready to connect for sharp FHD visuals with a VGA, HDMI 1.4, and DisplayPort™ 1.2.<sup>9</sup>

### Sleek Design, Clean Space.

See and do more on your screen with a 3-sided borderless with micro-edge bezel design that maximizes your viewing area for a sleek design and virtually seamless dual-monitor setups.

### Easily Personalize and Adjust Your Monitor

Customize your monitor with easy to use, intuitive HP Display Center software that lets you tailor your settings, partition screens, and even dim the screen—all through the host PC.<sup>4</sup>

### 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.<sup>10</sup>

### Increased Energy Efficiency

HP is committed to helping protect our shared future by minimizing the energy our monitors consume to help reduce energy demand. This monitor is held to the highest energy saving standard with an ENERGY STAR® rating and EPEAT® Gold Registration.<sup>11</sup>



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## Specifications

### Display specifications

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display size                 | 60.5 cm (23.8")                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Viewable diagonal size       | 23.8" (60.47 cm)                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 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) <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 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 |
| Panel type                   | IPS; LCD                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Bezel                        | 3-sided borderless                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Panel active area            | 52.7 x 29.65 cm                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Panel bit depth              | 6 bit + FRC <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Display colors               | Up to 16.7 million colors supported <sup>1,3</sup>                                                                                                                                                                                                                                                                                                                                                                                                       |
| Display color gamut          | 72% NTSC <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Refresh rate (maximum)       | 100 Hz <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Display scan frequency       | 50-100 Hz (Vertical) <sup>1</sup> ; 30-120 kHz (Horizontal) <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                 |
| Response time                | 5ms GtG (with overdrive) <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Brightness                   | 250 nits <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Contrast ratio               | 1000:1 (Static) <sup>1</sup> 8,000,000:1 (Dynamic) <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                          |
| Pixel pitch                  | 0.2745 x 0.2745 mm <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Pixels per inch (ppi)        | 93 ppi                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Viewing angle                | 178° (Vertical) 178° (Horizontal)                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Backlight type               | Edge-lit                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Backlight lamp life          | 30,000 hours                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Display features             | Anti-glare; HP Eye Ease; Height adjustable; Pivot; Tilt <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                     |
| Display User Control Options | Brightness+; Color; Image; Input; Power; Menu; Management; Information; Exit                                                                                                                                                                                                                                                                                                                                                                             |
| Management software          | HP Display Center; HP Client Management Script Library <sup>5,6</sup>                                                                                                                                                                                                                                                                                                                                                                                    |
| Low blue light modes         | Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified) <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                           |
| Flicker-free                 | Yes (TÜV certified)                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Screen treatment             | Anti-glare                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Hardness                     | 3H <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Haze                         | 25%                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| VESA mount                   | 100 x 100 mm                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Adjustability                | Height adjustment range: 100 mm<br>Tilt: -5 to +23°<br>Swivel: 360° (base swivel)<br>Pivot: ±90°                                                                                                                                                                                                                                                                                                                                                         |
| Speaker output power         | 2 x 2 W;                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Languages                    | 11 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese, S-Chinese and Russian)                                                                                                                                                                                                                                                                                                                                      |

### Connectivity and communications

|                     |                                           |
|---------------------|-------------------------------------------|
| Port and connectors | 1 HDMI 1.4<br>1 DisplayPort™ 1.2<br>1 VGA |
| HDCP                | Yes, DisplayPort™ and HDMI                |
| Power supply        | 100 - 240 VAC 50/60 Hz (Internal)         |



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## Specifications

### Appearance

|                                      |                                             |
|--------------------------------------|---------------------------------------------|
| Product color                        | Black                                       |
| Stand color                          | Black                                       |
| Detachable stand                     | Yes                                         |
| Physical security                    | Security lock-ready <sup>7</sup>            |
| Base area footprint                  | 20 x 20 cm                                  |
| Dimensions without Stand (W x D x H) | 53.88 x 5.2 x 32.37 cm (without stand)      |
| Dimensions with stand (W x D x H)    | 53.88 x 21.21 x 44.7 cm                     |
| Weight                               | 4.4 kg (with stand); 2.9 kg (without stand) |
| Packaged Dimensions (W x D x H)      | 61.7 x 12.4 x 40.6 cm                       |
| Packaged weight                      | 6.3 kg                                      |

### Certification and compliance

|                                                      |                                                                                                                                                                                                                                                                     |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Energy efficiency class                              | D                                                                                                                                                                                  |
| On mode power demand in Standard Dynamic Range (SDR) | 14.6 W                                                                                                                                                                                                                                                              |
| Standby mode power demand                            | 0.5 W                                                                                                                                                                                                                                                               |
| Energy efficiency                                    | ENERGY STAR® certified                                                                                                                                                                                                                                              |
| Ecolabels                                            | CECP; SEPA; TCO Certified; TCO Certified Edge; EPEAT® Gold with Climate+; CEL Grade 2; Ukraine EE; Korea MEPS; California CEC <sup>8</sup>                                                                                                                          |
| Sustainable impact specifications                    | Contains 20% recycled glass in the monitor panel; 100% of HP paper-based packaging is from recycled or certified sustainable sources; Contains at least 85% post-consumer recycled plastic <sup>9,10,11,12</sup>                                                    |
| Certifications                                       | Australian-New Zealand MEPS; BIS; BSMI; CB; CCC; CE; CSA; EAC; FCC; ICES; ISO 9241-307; KC; KCC; PSB; TUV Bauart; VCCI; Vietnam MEPS; WEEE; ISC; Low blue light; South Africa Energy; UAE; NRCS of South Africa; UAE ECAS; UAE RoHS; Ukraine NSoC; UL; Flicker free |
| Microsoft WHQL certification                         | Windows 11; Windows 10                                                                                                                                                                                                                                              |
| 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                                                      |
| What's in the box     | Monitor; HDMI cable; Warranty card; AC power cable; Quick Setup Poster <sup>4</sup> |
| Country of origin     | Made in China and Vietnam                                                           |

### Logistic information

|                               |                                                                                                                                            |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Pallet Dimensions (L x W x H) | Slip sheet: 112.8 x 62.9 x 204.3 cm (20 ft, 40 ft), 112.8 x 62.9 x 245 cm (40 HQ)<br>Pallet: 112.8 x 62.9 x 216.7 cm (20 ft, 40 ft, 40 HQ) |
| Pallet weight                 | Slip sheet: 287.3 kg (20 ft, 40 ft), 345.2 kg (40 HQ)<br>Pallet: 299.3 kg (20 ft, 40 ft, 40 HQ)                                            |
| Pallet (layers)               | Slip sheet: 5 layers, 6 layers; Pallet: 5 layers                                                                                           |
| Products per layer            | Slip sheet and Pallet: 9                                                                                                                   |
| Products per pallet           | Slip sheet: 45, 54; Pallet: 45                                                                                                             |



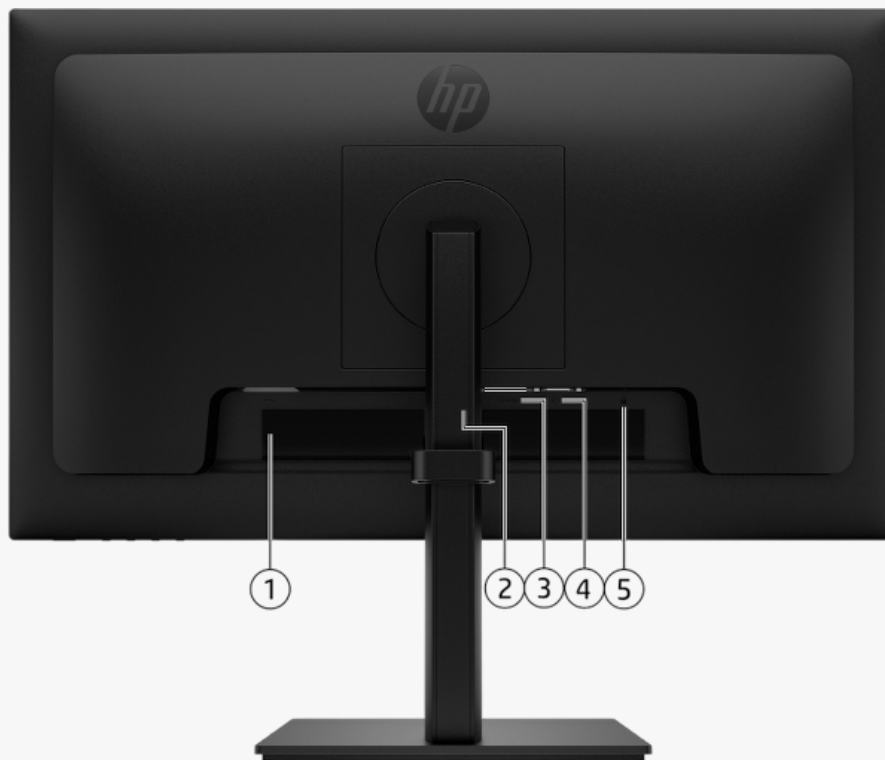
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## Product walkaround



1. Power LED

2. Power button



1. Power connector  
2. DisplayPort™ 1.2  
3. HDMI 1.4 port

4. VGA port  
5. Security lock



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## Accessories and services (not included)

HP B550 Z Display PC Mounting  
Bracket



Customize an altogether better solution with the HP PC B550 Mounting Bracket, which lets you attach your Z Mini Workstation directly behind select HP Z displays/Series 7 Pro monitors.<sup>1</sup>  
**Product number: 16U00AA**  
<sup>1</sup> Compatible with select HP Z Display, Series 7 Pro, P Series, and Series 3 Pro Monitors. Please check detailed compatibility on accessory datasheet.

HP Business PC Security Lock  
V3 Kit



Help prevent chassis tampering and secure your PC and display in workspaces and public areas with the affordable HP Business PC Security Lock v3 Kit.  
**Product number: 3XJ17AA**

HP Quick Release Single Arm



Enjoy more comfort and space with the HP Quick Release Monitor Arm. Easily mount and quickly release select E-Series G5<sup>1</sup>, Series 5 Pro<sup>2</sup>, and Series 7 Pro<sup>3</sup> monitors to maximize workday comfort and desk space.  
**Product number: 762U0AA**  
<sup>1</sup> Compatible with select HP P Series, Series 3 Pro, E Series, Series 5 Pro, and Series 7 Pro monitors. Please check detailed compatibility on accessory datasheet.  
<sup>2</sup> Requires monitor VESA adapter for selected models. Please contact your Sales agent or HP Service for further guidance.



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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> 100 Hz refresh rate can be supported via HDMI and DisplayPort™ cable connection only. 60Hz refresh rate with VGA.
- <sup>3</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>4</sup> Host PC requires Windows 10 or higher. HP Display Center is available for download on the Microsoft store for Windows or support.hp.com for Windows and MacOS.
- <sup>5</sup> 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.
- <sup>6</sup> 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.
- <sup>7</sup> 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.
- <sup>8</sup> FHD content is required to view FHD images.
- <sup>9</sup> AC Power cable, HDMI cable, DisplayPort™ cable included. All other cables sold separately.
- <sup>10</sup> HP CMSL is only available for Windows 10 version 1809 and higher. Some limitations may apply to legacy monitors. HP CMSL is available for download on hp.com.
- <sup>11</sup> Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information. This product has been verified to meet ENERGY STAR® requirements.

### 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> 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 and include 1 HDMI or 1 VGA outputs to drive the monitor at the Preferred Mode.
- <sup>3</sup> Number of colors through A-FRC technology.
- <sup>4</sup> Included cables may vary by country.
- <sup>5</sup> Host PC requires Windows 10 and above. HP Display Center is available on the Microsoft store.
- <sup>6</sup> The Client Management Script Library must be downloaded to the connected PC to run CMSL commands. Some limitations may apply to legacy displays. Visit hp.com to download HP CMSL.
- <sup>7</sup> Lock sold separately.
- <sup>8</sup> 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.
- <sup>9</sup> 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 imaging equipment, IEEE 1680.2.
- <sup>10</sup> 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.
- <sup>11</sup> 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.
- <sup>12</sup> External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.

