

# 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.



\*Hình ảnh sản phẩm có thể khác với sản phẩm thực tế

<div>100Hz</div> <div>Enhanced Visuals</div> <p>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.</p>	<div></div> <div>Ideal Comfort</div> <p>Elevate your comfort with 3-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.</p>	<div></div> <div>Designed to Help You Focus</div> <p>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.</p>
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## Tính bền vững trong thực tiễn

### 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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## Tính năng

### 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 3-way adjustability to achieve optimal comfort, all day, thanks to the step-by-step Ergonomic Setup Guide in HP Display Center.<sup>2,3</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>3</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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## Thông số kỹ thuật

### Thông số kỹ thuật màn hình

Display size	60.5 cm (23.8")
Kích thước đường chéo có thể xem	23.8" (60.5 cm)
Tỷ lệ khung hình	16:9 <sup>1</sup>
Cong	Flat
Độ phân giải thực	FHD (1920 x 1080) <sup>1,2</sup>
Độ phân giải (tối đa)	FHD (1920 x 1080 @ 100 Hz) <sup>1</sup>
Hỗ trợ độ phân giải	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
Loại pa-nen	IPS; LCD
Viền	3-sided borderless
Vùng Hoạt động của Bảng điều khiển	52.7 x 29.65 cm
Độ sâu bit của panel	6 bit + FRC <sup>1</sup>
Màu màn hình	Up to 16.7 million colors supported <sup>1,3</sup>
Gam Màu Hiển thị	72% NTSC <sup>1</sup>
Tần số quét màn hình (tối đa)	100 Hz <sup>1</sup>
Tần suất scan màn hình	50-100 Hz (Dọc) <sup>1</sup> ; 30-120 kHz (Ngang) <sup>1</sup>
Thời gian phản hồi	5ms GtG (with overdrive) <sup>1</sup>
Độ sáng	250 nits <sup>1</sup>
Độ tương phản độ lớn điểm ảnh	1000:1 (Tĩnh) <sup>1</sup> 8,000,000:1 (Động) <sup>1</sup>
Góc xem	178° (Dọc) 178° (Ngang)
Loại đèn nền	Edge-lit
Tuổi thọ đèn nền	30,000 hours
Tính năng hiển thị	Anti-glare; HP Eye Ease; Height adjustable; Pivot; Tilt <sup>1</sup>
Tùy chọn Điều khiển cho Người dùng Màn hình	Brightness+; Color; Image; Input; Power; Menu; Management; Information; Exit
Management software	HP Display Center; HP Client Management Script Library <sup>5,6</sup>
Chế độ ánh sáng xanh thấp	Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified) <sup>1</sup>
Không nhấp nháy	Yes (TÜV certified)
Xử lý màn hình	Anti-glare
Độ cứng	3H <sup>1</sup>
Sương mù	25%
Giá đỡ VESA	100 x 100 mm
Tính tùy chỉnh	Phạm vi điều chỉnh chiều cao: 100 mm Độ nghiêng: -5 to +23° Trục: ±90°
Công suất đầu ra của loa	2 x 2 W;
Ngôn ngữ	11 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese, S-Chinese and Russian)

### Kết nối và truyền thông tin

Cổng và Đầu nối	1 HDMI 1.4 1 DisplayPort™ 1.2 1 VGA
HDCP	Yes, DisplayPort™ and HDMI
Power supply	100 - 240 VAC 50/60 Hz (Internal)



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## Thông số kỹ thuật

Khuôn thức	
Màu sắc sản phẩm	Black
Màu khung đỡ	Black
Chân đế có thể tháo rời	Yes
Bảo mật vật lý	Security lock-ready <sup>7</sup>
Không gian khu vực đế	20 x 20 cm
Kích thước sản phẩm không có đế (R x S x C)	53.88 x 5.2 x 32.37 cm (without stand)
Kích thước có khung đỡ (R x S x C)	53.88 x 21.21 x 44.7 cm
Trọng lượng	4.4 kg (with stand); 2.9 kg (without stand)
Kích thước đóng thùng (R x S x C)	61.7 x 12.4 x 40.6 cm
Trọng lượng đóng gói	6.3 kg

## Chứng nhận và tuân thủ

Điện năng tiêu thụ	31 W (maximum), 16 W (typical), 0.5 W (standby)
Hiệu quả năng lượng	ENERGY STAR® certified
Nhân sinh thái	CECP; SEPA; TCO Certified; TCO Certified Edge; EPEAT® Gold with Climate+; CEL Grade 2; Ukraine EE; Korea MEPS; California CEC <sup>8</sup>
Thông số kỹ thuật tác động bền vững	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>
Chứng nhận	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
Chứng nhận Microsoft WHQL	Windows 11; Windows 10
Môi trường	Phạm vi nhiệt độ vận hành: 5 to 35°C Phạm vi nhiệt độ không hoạt động Độ ẩm hoạt động: 20 to 80% RH (non-condensing) Độ ẩm không hoạt động: 5 - 95% Độ cao hoạt động: Độ cao không hoạt động:

## Thông tin bổ sung

Bảo hành của Nhà sản xuất	HP three-year limited warranty
Trong hộp có gì	Monitor; HDMI cable; Warranty card; AC power cable; Quick Setup Poster <sup>4</sup>

## Thông tin hậu cần

Kích thước tấm (D x R x C)	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) Pallet: 112.8 x 62.9 x 216.7 cm (20 ft, 40 ft, 40 HQ)
Trọng lượng tấm	Slip sheet: 287.3 kg (20 ft, 40 ft), 345.2 kg (40 HQ) Pallet: 299.3 kg (20 ft, 40 ft, 40 HQ)
Tấm (lớp)	Slip sheet: 5 layers, 6 layers; Pallet: 5 layers
Sản phẩm trên mỗi lớp	Slip sheet and Pallet: 9
Sản phẩm trên mỗi tấm	Slip sheet: 45, 54; Pallet: 45





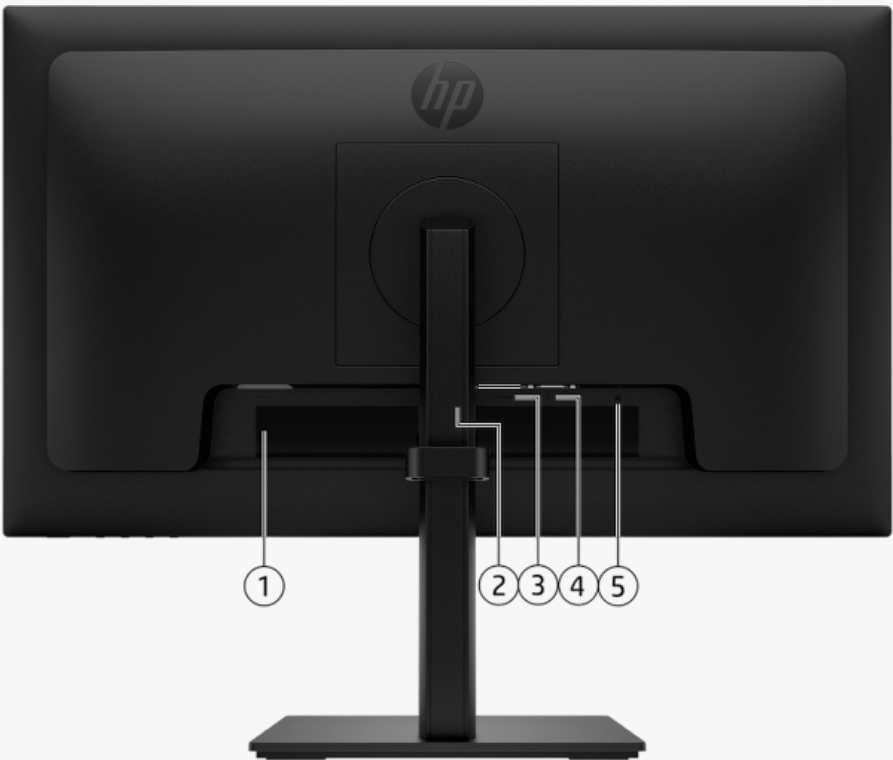
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## Tổng quan sản phẩm



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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## Phụ kiện và dịch vụ (không bao gồm)

Giá gắn máy tính HP B550



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>  
**Mã sản phẩm: 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.

Bộ Khóa An toàn cho Máy tính HP dành cho Doanh nghiệp v3



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.  
**Mã sản phẩm: 3XJ17AA**

Giá đỡ đơn màn hình HP Quick Release



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.  
**Mã sản phẩm: 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> Yêu cầu bộ chuyển đổi VESA cho các mô hình được chọn. Vui lòng liên hệ với đại lý bán hàng hoặc Dịch vụ của HP để được hướng dẫn thêm.



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## Ghi chú

### Chú thích trong phần nhấn tin

<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.

### Ghi chú cuối trang về Thông số kỹ thuật

<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.

