

# 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.



\*상품 이미지는 실제 상품과 다를 수 있습니다

100Hz

### 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 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.



### 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.

## 지속 가능성 실현

### 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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## 특징

### 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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## 사양

### 디스플레이 사양

디스플레이 크기	60.5 cm (23.8")
가시 대각선 크기	23.8" (60.5 cm)
종횡비	16:9 <sup>1</sup>
곡률	Flat
기본 해상도	FHD (1920 x 1080) <sup>1,2</sup>
해상도(최대값)	FHD (1920 x 1080 @ 100 Hz) <sup>1</sup>
지원 해상도	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
패널 유형	IPS; LCD
베젤	3-sided borderless
패널 활성 영역	52.7 x 29.65 cm
패널 비트 수준	6 bit + FRC <sup>1</sup>
디스플레이 색상	Up to 16.7 million colors supported <sup>1,3</sup>
디스플레이 컬러 범위	72% NTSC <sup>1</sup>
주사율(최대)	100 Hz <sup>1</sup>
디스플레이 스캔 주파수	50-100 Hz (수직) <sup>1</sup> ; 30-120 kHz (수평) <sup>1</sup>
응답 시간	5ms GtG (with overdrive) <sup>1</sup>
밝기	250 nits <sup>1</sup>
명암비	1000:1 (정적) <sup>1</sup> 8,000,000:1 (동적) <sup>1</sup>
픽셀 피치	0.2745 x 0.2745 mm <sup>1</sup>
시야각	178° (수직) 178° (수평)
백라이트 유형	Edge-lit
백라이트 램프 수명	30,000 hours
디스플레이 기능	Anti-glare; HP Eye Ease; Height adjustable; Pivot; Tilt <sup>1</sup>
사용자 제어 디스플레이(옵션)	Brightness+; Color; Image; Input; Power; Menu; Management; Information; Exit
관리 소프트웨어	HP Display Center; HP Client Management Script Library <sup>5,6</sup>
어두운 파란색 조명 모드	Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified) <sup>1</sup>
깜박임 없음	Yes (TÜV certified)
스크린 처리	Anti-glare
강도	3H <sup>1</sup>
헤이즈	25%
VESA 장착	100 x 100 mm
조정식	높이 조절범위: 100 mm 틸트: -5 to +23° 피벗: ±90°
스피커 출력 파워	2 x 2 W;
언어	11 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese, S-Chinese and Russian)

### 연결 및 통신

포트 및 커넥터	1 HDMI 1.4 1 DisplayPort™ 1.2 1 VGA
HDCP	Yes, DisplayPort™ and HDMI
전원 공급장치	100 - 240 VAC 50/60 Hz (Internal)



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## 사양

모양	
제품 색상	Black
스탠드 컬러	Black
탈부착형 받침대	Yes
물리적 보안	Security lock-ready <sup>7</sup>
기본 공간	20 x 20 cm
받침대를 제외한 치수 (너비 x 깊이 x 높이)	53.88 x 5.2 x 32.37 cm (without stand)
스탠드를 포함한 치수 (가로 x 세로 x 높이)	53.88 x 21.21 x 44.7 cm
무게	4.4 kg (with stand); 2.9 kg (without stand)
패키지 크기(가로 x 세로 x 높이)	61.7 x 12.4 x 40.6 cm
패키지 무게	6.3 kg

## 인증 및 규격

전력 소모	31 W (maximum), 16 W (typical), 0.5 W (standby)
에너지 효율성	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>
지속 가능한 영향 사양	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>
인증	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 인증	Windows 11; Windows 10
환경	작동 온도 범위: 5 to 35°C 비작동 온도 범위 작동 습도: 20 to 80% RH (non-condensing) 비작동 습도: 5 - 95% 작동 고도: 비작동 고도:

## 추가 정보

제조업체 보증	HP three-year limited warranty
구성품	Monitor; HDMI cable; Warranty card; AC power cable; Quick Setup Poster <sup>4</sup>

## 물류 정보

팔레트 크기(길이 x 너비 x 높이)	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)
팔레트 무게	Slip sheet: 287.3 kg (20 ft, 40 ft), 345.2 kg (40 HQ) Pallet: 299.3 kg (20 ft, 40 ft, 40 HQ)
팔레트(레이어)	Slip sheet: 5 layers, 6 layers; Pallet: 5 layers
레이어별 제품	Slip sheet and Pallet: 9
팔레트당 제품	Slip sheet: 45, 54; Pallet: 45





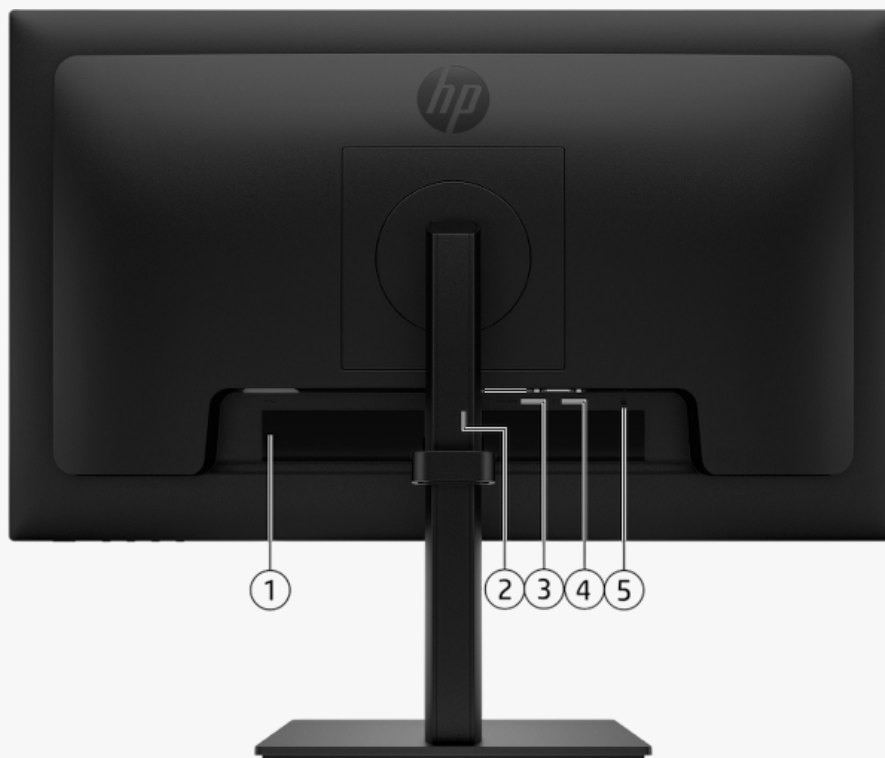
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## 제품 둘러보기



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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## 액세서리 및 서비스(포함되지 않음)

HP B550 PC 장착 브래킷



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>

**제품 번호: 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 업무용 PC 보안 잠금장치 v3 키트



경제적인 HP 업무용 PC 보안 잠금 v3 키트를 사용하여 새시 변형을 방지하고, 업무공간이나 공공장소에서 PC와 디스플레이를 보호합니다.

**제품 번호: 3XJ17AA**

HP 퀵 릴리즈 모니터 싱글 암



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.

**제품 번호: 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> 특정 모델에 대한 모니터 VESA 어댑터가 필요합니다. 자세한 안내를 위해 판매 대리점이나 HP 서비스에 문의하십시오.



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## 각주

## 메시지 각주

<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](http://www.epeat.net) for more information. This product has been verified to meet ENERGY STAR® requirements.

## 기술 사양 각주

<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](http://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](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>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.

