

# HP Series 3 Pro 23.8 inch FHD Monitor - 324pe (B1GM5AA)



## Overview

### 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.

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.



### 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.



### 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.



### 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>

## Features

### 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>

### 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>

### 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.

### IPS Technology

No matter where you are or sit, IPS technology ensures image accuracy and consistency across wide 178-degree horizontal and vertical viewing angles.<sup>[1]</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>

### Good Contrast

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

---

*[1] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.*

*[2] 100 Hz refresh rate can be supported via HDMI and DisplayPort™ cable connection only. 60Hz refresh rate with VGA.*

*[3] 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.*

*[4] 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.*

*[5] 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.*

*[6] 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.*

*[7] 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.*

*[8] FHD content is required to view FHD images.*

## Specifications

<b>Color</b>	Black
<b>Display size (diagonal)</b>	23.8"
<b>Panel technology</b>	IPS; LCD
<b>Display size (diagonal)</b>	60.5 cm (23.8")
<b>Aspect ratio</b>	16:9 <sup>[1]</sup>
<b>Native resolution</b>	FHD (1920 x 1080) <sup>[1,2]</sup>
<b>Resolutions supported</b>	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
<b>Pixel pitch</b>	0.2745 x 0.2745 mm <sup>[1]</sup>
<b>Brightness</b>	250 nits <sup>[1]</sup>
<b>Contrast ratio</b>	1000:1 <sup>[1]</sup>
<b>Response time (typical)</b>	5ms GtG (with overdrive) <sup>[1]</sup>
<b>Dimensions (W x D x H)</b>	53.88 x 5.2 x 32.37 cm (without stand)
<b>Dimensions (W x D x H)</b>	21.21 x 2.05 x 12.74 in (without stand)
<b>Dimensions With Stand (W x D x H)</b>	53.88 x 21.21 x 44.7 cm
<b>Weight</b>	4.4 kg (with stand); 2.9 kg (without stand)
<b>Weight</b>	9.7 lb (with stand); 6.4 lb (without stand)
<b>Display features</b>	Anti-glare; HP Eye Ease; Height adjustable; Pivot; Tilt <sup>[1]</sup>
<b>Onscreen controls</b>	Brightness+; Color; Image; Input; Power; Menu; Management; Information; Exit
<b>Display colors</b>	Up to 16.7 million colors supported <sup>[1,3]</sup>
<b>Display scan frequency (horizontal)</b>	30-120 kHz <sup>[1]</sup>
<b>Display scan frequency (vertical)</b>	50-100 Hz <sup>[1]</sup>
<b>Power</b>	100 - 240 VAC 50/60 Hz
<b>Power consumption</b>	31 W (maximum), 16 W (typical), 0.5 W (standby)
<b>Operating temperature range</b>	5 to 35°C
<b>Operating humidity range</b>	20 to 80% RH (non-condensing)
<b>Sustainable impact specifications</b>	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
<b>Certifications and compliances</b>	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
<b>Physical security</b>	Security lock-ready <sup>[7]</sup>
<b>Management Software</b>	HP Display Center; HP Client Management Script Library
<b>UPC number</b>	(A2K) 198828384546; (A2N) 198828384553; (A80) 198828384560; (AB1) 198828384577; (AB2) 198828384584; (AB4) 198828384607; (ABA) 198828384614; (ABB) 198828384638; (ABG) 198828384645; (ABJ) 4582712564149; (ABT) 198828384652; (ABU) 198828384683; (ABV) 198828384706; (ABY) 198828384713; (ACJ) 198828384744; (ACQ) 198828469632; (AH3) 198828384751; (AKL) 198828384775; (AR6) 198828384782; (UUF) 198828384799; (UUZ) 198828384805
<b>Manufacturer Warranty</b>	HP three-year limited warranty
<b>What's in the box</b>	Monitor; HDMI cable; Warranty card; AC power cable; Quick Setup Poster <sup>[4]</sup>

## Additional specifications

<b>Backlight lamp life minimum (to half brightness)</b>	30,000 hours
<b>Backlight type</b>	Edge-lit
<b>Base area footprint (imperial)</b>	7.87 x 7.87 in
<b>Base area footprint (metric)</b>	20 x 20 cm
<b>Bezel</b>	3-sided borderless
<b>Color gamut</b>	72% NTSC <sup>[1]</sup>
<b>Country of origin</b>	Made in China and Vietnam
<b>Curvature</b>	Flat
<b>Datasheet photo 1</b>	<a href="https://prism-pui-int.inc.hp.com/pro/PRO.Crystal.1/DAMHandler/Accessories/MoneyBall_Billy_324pe_JetBlack_WhiteBG_Front_3248523.png">https://prism-pui-int.inc.hp.com/pro/PRO.Crystal.1/DAMHandler/Accessories/MoneyBall_Billy_324pe_JetBlack_WhiteBG_Front_3248523.png</a>
<b>Datasheet photo 2</b>	<a href="https://prism-pui-int.inc.hp.com/pro/PRO.Crystal.1/DAMHandler/Accessories/MoneyBall_Billy_324pe_JetBlack_WhiteBG_FrontLeft_3249506.png">https://prism-pui-int.inc.hp.com/pro/PRO.Crystal.1/DAMHandler/Accessories/MoneyBall_Billy_324pe_JetBlack_WhiteBG_FrontLeft_3249506.png</a>
<b>Datasheet photo 3</b>	<a href="https://prism-pui-int.inc.hp.com/pro/PRO.Crystal.1/DAMHandler/Accessories/MoneyBall_Billy_324pe_JetBlack_WhiteBG_Rear_3248271.png">https://prism-pui-int.inc.hp.com/pro/PRO.Crystal.1/DAMHandler/Accessories/MoneyBall_Billy_324pe_JetBlack_WhiteBG_Rear_3248271.png</a>
<b>Datasheet photo 4</b>	<a href="https://prism-pui-int.inc.hp.com/pro/PRO.Crystal.1/DAMHandler/Accessories/MoneyBall_Billy_324pe_JetBlack_WhiteBG_LeftProfile_3249557.png">https://prism-pui-int.inc.hp.com/pro/PRO.Crystal.1/DAMHandler/Accessories/MoneyBall_Billy_324pe_JetBlack_WhiteBG_LeftProfile_3249557.png</a>
<b>Detachable stand</b>	Yes
<b>Display area (imperial)</b>	20.75 x 11.67 in
<b>Display area (metric)</b>	52.7 x 29.65 cm
<b>Display contrast ratio (dynamic)</b>	8,000,000:1
<b>DisplayPort™</b>	1 DisplayPort™ 1.2
<b>Ecolabels</b>	CECP; SEPA; TCO Certified; TCO Certified Edge; EPEAT® Gold with Climate+; CEL Grade 2; Ukraine EE; Korea MEPS; California CEC
<b>Energy star certified</b>	ENERGY STAR® certified
<b>Flicker-free</b>	Yes (TÜV certified)
<b>HDCP</b>	Yes, DisplayPort™ and HDMI
<b>HDMI</b>	1 HDMI 1.4
<b>Hardness</b>	3H <sup>[1]</sup>
<b>Haze</b>	25%
<b>Height adjustment range</b>	100 mm
<b>Horizontal viewing angle</b>	178°
<b>Low blue light</b>	Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified) <sup>[1]</sup>

<b>Non-Operating Humidity Range</b>	5 - 95%
<b>Non-operating temperature - Celsius</b>	-40 to 65°C
<b>Non-operating temperature - fahrenheit</b>	-40 to 149°F
<b>Operating altitude</b>	Up to 16,400 ft
<b>Operating altitude</b>	Up to 5,000 m
<b>Operating temperature range</b>	41 to 95°F
<b>Package dimensions (W x D x H)</b>	61.7 x 12.4 x 40.6 cm
<b>Package dimensions (W x D x H)</b>	24.29 x 4.88 x 15.98 in
<b>Package weight</b>	13.9 lb
<b>Package weight</b>	6.3 kg
<b>Pallet (layers)</b>	Slip sheet: 5 layers, 6 layers; Pallet: 5 layers
<b>Pallet dimensions</b>	Slip sheet: 44.41 x 24.76 x 80.43 in (20 ft, 40 ft), 44.41 x 24.76 x 96.46 in (40 HQ); Pallet: 44.41 x 24.76 x 85.31 in (20 ft, 40 ft, 40 HQ)
<b>Pallet dimensions (W x D x H)</b>	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)
<b>Pallet weight</b>	Slip sheet: 287.3 kg (20 ft, 40 ft), 345.2 kg (40 HQ); Pallet: 299.3 kg (20 ft, 40 ft, 40 HQ)
<b>Pallet weight</b>	Slip sheet: 633.4 lb (20 ft, 40 ft), 761 lb (40 HQ); Pallet: 659.8 lb (20 ft, 40 ft, 40 HQ)
<b>Panel bit depth</b>	6 bit + FRC <sup>[1]</sup>
<b>Pixels per inch (ppi)</b>	93 ppi <sup>[1]</sup>
<b>Power supply type</b>	Internal
<b>Product caption image</b>	<a href="https://prismtui-int.inc.hplicorp.net/PRO.Crystal.1/DAMHandler/Accessories/Removal-805-MoneyBall_Billy_324pe_JetBlack.png">https://prismtui-int.inc.hplicorp.net/PRO.Crystal.1/DAMHandler/Accessories/Removal-805-MoneyBall_Billy_324pe_JetBlack.png</a>
<b>Product caption image</b>	<a href="https://prismtui-int.inc.hplicorp.net/PRO.Crystal.1/DAMHandler/Accessories/Removal-805-MoneyBall_Billy_324pe_JetBlack.pngb265ddc5-92c3-46e9-95b4-53960a7719bd_removalai_preview.png">https://prismtui-int.inc.hplicorp.net/PRO.Crystal.1/DAMHandler/Accessories/Removal-805-MoneyBall_Billy_324pe_JetBlack.pngb265ddc5-92c3-46e9-95b4-53960a7719bd_removalai_preview.png</a>
<b>Product color</b>	Black
<b>Product dimensions with stand (W x D x H)</b>	21.21 x 8.35 x 17.6 in
<b>Products per pallet</b>	Slip sheet: 45, 54; Pallet: 45
<b>Products per pallet layer</b>	Slip sheet and Pallet: 9

<b>Refresh rate (maximum)</b>	100 Hz
<b>Resolution (maximum)</b>	FHD (1920 x 1080 @ 100 Hz) <sup>[1]</sup>
<b>Screen treatment</b>	Anti-glare
<b>Speaker output power</b>	2 x 2 W
<b>Stand color</b>	Black
<b>Stand type</b>	Base stand; With stand; Height adjustable stand
<b>Storage altitude</b>	Up to 12,192 m
<b>Storage altitude</b>	Up to 40,000 ft
<b>Swivel</b>	360° <sup>[1]</sup>
<b>Technology logo 1</b>	<a href="https://h10003.www1.hp.com/digmedialib/proding/lowres/c03123379.png">https://h10003.www1.hp.com/digmedialib/proding/lowres/c03123379.png</a>
<b>Technology logo 2</b>	<a href="https://h10003.www1.hp.com/digmedialib/proding/lowres/c08717783.png">https://h10003.www1.hp.com/digmedialib/proding/lowres/c08717783.png</a>
<b>Tilt</b>	-5 to +23°
<b>UNSPSC code</b>	43211902
<b>VESA mounting</b>	100 x 100 mm
<b>VGA</b>	1 VGA
<b>Vertical viewing angle</b>	178°
<b>Viewable diagonal size</b>	23.8" (60.47 cm)
<b>pivot</b>	±90°

[1] All specifications represent the typical specifications provided by HP's component manufacturers, actual performance may vary either higher or lower.

[2] 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.

[3] Number of colors through A-FRC technology.

[4] Included cables may vary by country.

[7] Lock sold separately.

## Accessories for PC

### Stands/Mounting Brackets

★ : Recommended

#### Mounting Brackets

HP B550 PC Mounting Bracket	16U00AA
-----------------------------	---------

#### Stands

HP Quick Release Monitor Single Arm	762U0AA
-------------------------------------	---------

### Security

#### Security Cables

HP Business PC Security Lock v3 Kit	3XJ17AA
-------------------------------------	---------

---

## Disclaimer — Copyright

EPEAT® is a registered trademark of Green Electronics Council. ENERGY STAR® is a registered mark owned by the U.S. government.

© Copyright 2025 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Generated by Dynamic Collateral Tool – (ww-en) – May 13, 2025 6:03 AM UTC+0000