

HP Z24q G3 QHD Display (4Q8N4AA)



Overview

The Ideal Space to Create

The Z24q G3 displays professional grade color and design optimized for hybrid or office work. Bring your ideas to life with industry-leading color accuracy and HDR 400 or take advantage the pixel dense QHD 23.8-inch screen—perfect for creating wherever your desk may be.

Closing the Gap Between Screen and Reality

Trust the colors you see on screen with the world class Z by HP color accuracy you expect. Equipped with the creative color gamuts you work in most, you'll have all the shades and hues you need for web, photography, and video creation on Mac® or PC. Lean into realism with HDR 400 for darker blacks and brighter whites.

Expand Your Canvas

Finally, a display just as resourceful as you. Make the most of your desk and upgrade your virtual meetings by connecting your HP Z24m G3 display via daisy-chain with just one cable[8]. The razor-thin, frameless designs of both monitors match perfectly while maximizing your screen and integrating premier conferencing features.

Stunning Detail. Smoother Performance.

Experience every pixel and movement with the precision of reality in crisp QHD resolution and a fast 90hz refresh rate[1]. Navigate your workflow in Windows 11 and Adobe® with high definition and smooth motion as you scroll, click, and direct your projects.

Features

Colors Calibrated to Perfection

Every HP Z Display undergoes factory color calibration and testing to achieve a Delta E of less than 2, making color differences virtually indistinguishable to the human eye.

The Color Gamuts You Use Most

Create in the color gamuts you use most. 99% sRGB for web, 90% P3 for photography, and BT.709 for HD video.

Shine Brightly

With 400 nits of brightness, you can clearly see your screen when you're in the sun, by a bright window, or under artificial lighting. ^[1]

Lean into Realism with HDR 400

Lean into realism with HDR 400 for deeper blacks, brighter whites, and richer colors.

Crisp QHD Resolution

See 2x the details on your 23.8-inch screen with crisp QHD resolution.

Display More with DisplayPort™ 1.4

Display more with DisplayPort™ 1.4 and connect up to 3 QHD displays.

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

[8] Not compatible with Mac products.

Specifications

Display size (diagonal)	23.8"
Panel technology	IPS; LCD
Display size (diagonal)	60.5 cm (23.8")
Aspect ratio	16:9
Native resolution	QHD (2560 x 1440) ^[1,5]
Resolutions supported	640 x 480; 720 x 400; 800 x 600; 1024 x 768; 1280 x 720; 1280 x 1024; 1440 x 900; 1600 x 900; 1600 x 1200; 1680 x 1050; 1920 x 1080; 1920 x 1200; 2560 x 1400
Pixel pitch	0.21 x 0.21 mm
Brightness	400 nits ^[1]
Contrast ratio	1000:1 ^[1]
Response time (typical)	5ms GtG (with overdrive) ^[1]
Dimensions (W x D x H)	53.84 x 3.85 x 31.37 cm (Without stand.)
Dimensions (W x D x H)	21.2 x 1.52 x 12.35 in (Without stand.)
Dimensions With Stand (W x D x H)	53.84 x 19.5 x 48.93 cm
Weight	4.8 kg (With stand.)
Weight	10.6 lb (With stand.)
Display features	On-screen controls; Anti-glare; Height Adjust/Tilt/Swivel/Pivot; HP Eye Ease
Onscreen controls	Brightness; Color control; Contrast; Exit; Image control; Information; Language; Management; Power control; Input control; Menu control
Display colors	Up to 1.07 billion colors supported ^[12]
Display scan frequency (horizontal)	30-140 KHz
Display scan frequency (vertical)	50-90 Hz
Camera	No integrated camera
Power	100 - 240 VAC 50/60 Hz
Power consumption	74 W (maximum), 34 W (typical), 0.5 W (standby)
Operating temperature range	5 to 35°C
Operating humidity range	20 to 80% non-condensing
Sustainable impact specifications	85% post-consumer recycled plastic; Low Halogen; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; Designed with recycled metals; Contains Ocean-Bound plastic

Certifications and compliances	Australian-New Zealand MEPS; BIS; BSMI; CB; CCC; CE; CEL; cTUVus; EAC; ENERGY STAR®; FCC; ISO 9241-307; KC/KCC; NOM; PSB; SEPA; TUV/GS; TUV-S; VCCI; Vietnam MEPS; WEEE; ISC; Low blue light; CEL Grade 3; South Africa Energy; ICE; UAE; Ukraine certificates ^[13]
Physical security	Security lock-ready ^[2]
Management Software	HP Display Center; HP Display Manager ^[6]
UPC number	(A2K) 196188122860; (A2N) 196188122877; (AB0) 196188122884; (AB1) 196188122891; (AB2) 196188122907; (AB4) 196188122914; (ABA) 196188122921; (ABB) 196188122938; (ABG) 196188122945; (ABJ) 4573595697185; (ABT) 196188122952; (ABU) 196188122969; (ABV) 196188122976; (ABY) 196188122983; (ACJ) 196188122990; (ACQ) 196188123003; (AH3) 196188123010; (AKL) 196188123027; (AR6) 196188123034; (UUF) 196188123041; (UUZ) 196188123058
What's in the box	Monitor; DisplayPort™ cable; HDMI cable; VESA Mount adapter; Warranty card; USB Type-A to B cable; Quick Setup Poster; AC power cord; Color calibration report ^[11]

Additional specifications

Backlight type	Edge-lit
Bezel	4-sided micro-edge
Certified collaboration software	No
Color gamut	99% sRGB; 90% DCI-P3; 99% BT.709
Curvature	Flat
Datasheet photo 1	AHID/18d433efdff693ebbdb6428954569cfc184313de
Datasheet photo 2	AHID/c6b4980aceee387830d593474df5bfe61dca6a02
Datasheet photo 3	AHID/5e2d7faa2d007ec24fecb979c446ce2278869e9b
Datasheet photo 4	AHID/b7a2d23c6380713e91fcfd183f6336f35ac5002
Detachable stand	Yes
Display area (imperial)	20.74 x 11.67 in
Display area (metric)	52.68 x 29.64 cm
Display contrast ratio (dynamic)	10000000:1
DisplayPort™	1 DisplayPort™ 1.4
DisplayPort™ Out	1 DisplayPort™ 1.4-out
Ecolabels	EPEAT® registered
Energy star certified	ENERGY STAR® certified
Flicker-free	Yes
HDCP	Yes, DisplayPort™ and HDMI
HDMI	1 HDMI 2.0
Hardness	3H
Height adjustment range	150 mm
Horizontal viewing angle	178°
Integrated privacy filter	No
Low blue light	Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)
Microphone	No
Non-Operating Humidity Range	5 to 95%
Operating temperature range	41 to 95°F
Package dimensions (W x D x H)	24.61 x 5.55 x 14.69 in
Package dimensions (W x D x H)	62.5 x 14.1 x 37.3 cm
Package weight	16.3 lb
Package weight	7.4 kg
Panel bit depth	10 bit (8 bit + FRC)

Pixels per inch (ppi)	123 ppi
Power supply type	Internal
Product color	Black bezel; Silver rear cover
Product dimensions with stand (W x D x H)	21.2 x 7.68 x 19.26 in
Resolution (maximum)	QHD (2560 x 1440 @ 90 Hz)
Screen treatment	Anti-glare
Speaker output power	No Speakers
Speaker type	No
Stand color	Black; Silver
Stand type	Base stand; With stand; Height adjustable stand
Swivel	±45°
Tilt	-5 to +20°
Total CO2e (kg) footnote number	[60]
Touch-enabled	Not touch-enabled
UNSPSC code	43211902
USB Type-A	4 SuperSpeed USB Type-A 5Gbps signaling rate
Usb b (hub enablement)	1 USB-B
VESA mounting	100 mm x 100 mm (bracket included)
Vertical viewing angle	178°
Windows Hello compatible	No
pivot	±90

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

[2] Lock sold separately.

[5] 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 2560 x 1440 at 60 Hz with 10-bit color using one DisplayPort™, HDMI. The video card of the connected PC must be capable of supporting 2560 x 1440 and include one DisplayPort™ or one HDMI outputs to drive the monitor at the Preferred Mode.

[6] HP Display Center requires Windows 10 (or higher) on host PC and is available from the Windows store.

[11] Included cables may vary by country.

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

[13] Monitors produced from June 2024 comply with China regulation GB 21520-2023.

Accessories for PC

Stands/Mounting Brackets

★ : Recommended

Mounting Brackets

HP B550 Z Display PC Mounting Bracket	16U00AA
HP Quick Release Bracket 2	6KD15AA

Security

Security Cables

HP Business PC Security Lock V3 Kit	3XJ17AA
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Audio Devices

PC Speakers

HP Z G3 Conferencing Speaker Bar	32C42AA
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