

HP Z24q G3 QHD Display

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.



*Product image may differ from actual product

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.

Stunning Detail. Smoother Performance.

Experience every pixel and movement with the precision of reality in crisp QHD resolution and a fast 90hz refresh rate¹. Navigate your workflow in Windows 11 and Adobe® with high definition and smooth motion as you scroll, click, and direct your projects.

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 cable². The razor-thin, frameless designs of both monitors match perfectly while maximizing your screen and integrating premier conferencing features.

Sustainability in action

Build for a better tomorrow

Innovating with purpose and intention to drive impactful, positive, lasting change.



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Featuring



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.

Endless Adjustability

With 4-way adjustability you can customize pivot, tilt, height adjust, and swivel settings to fit you, your desk, and your needs.

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

HP Eye Ease is a filter that keeps you comfortable by reducing blue light without impacting color accuracy.

Monitors Containing Recycled Materials

HP is helping conserve natural resources, reduce waste sent to landfills, and lower energy consumption by using 90% recycled plastics in the plastics of Z G3 Monitors.²

Thoughtful Product Packaging

HP is committed to reducing plastic in landfills by using 100% recyclable packaging that meets recycling requirements, so it can stay out of the landfill.^{3,4}

More Ports. More Flexibility.

Packed with ports including HDMI, DisplayPort™, four USB-A 3.2 and a USB-B ports.⁵

Easily Personalize and Adjust Your Display

Customize your display with easy, intuitive HP Display Center software that lets you tailor your settings, partition screens, and even dim the screen.⁶

Remote Management Reimagined

Manage deployment, asset tracking and monitor settings remotely.⁷

3-year Limited Warranty

Get peace of mind with a 3-year warranty.



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Specifications

Display specifications

Display size
23.8"¹

Aspect ratio
16:9

Curvature
Flat

Native resolution
QHD (2560 x 1440)^{1,5}

Resolution (maximum)
QHD (2560 x 1440 @ 90 Hz)

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

Panel type
IPS¹

Bezel
4-sided micro-edge

Panel bit depth
10 bit (8 bit + FRC)

Display colors
Up to 1.07 billion colors supported¹²

Display color gamut
99% sRGB; 90% DCI-P3; 99% BT.709

Display scan frequency
50-90 Hz (Vertical) 30-140 KHz (Horizontal)

Response time
5ms GtG (with overdrive)¹

Brightness
400 nits¹

Contrast ratio
1000:1 (Static)¹ 10000000:1 (Dynamic)¹

Pixel pitch
0.21 x 0.21 mm

Pixels per inch (ppi)
123 ppi

Viewing angle
178° (Vertical) 178° (Horizontal)

Backlight type
Edge-lit

Display features
On-screen controls; Anti-glare; Height Adjust/Tilt/Swivel/Pivot; HP Eye Ease

Display User Control Options
Brightness; Color control; Contrast; Exit; Image control; Information; Language; Management; Power control; Input control; Menu control

Management software
HP Display Center; HP Display Manager⁶

Low blue light modes
Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)

Flicker-free
Yes

Screen treatment
Anti-glare

Hardness
3H

VESA mount
100 mm x 100 mm (bracket included)

Height adjustment range
150 mm

Tilt
-5 to +20°

Swivel
±45°

Pivot
±90

Camera
No integrated camera

Microphone
No

Speaker output power
No Speakers

Connectivity and communications

Port and connectors
1 HDMI 2.0
1 DisplayPort™ 1.4
1 DisplayPort™ 1.4-out
4 SuperSpeed USB Type-A 5Gbps signaling rate
1 USB-B

HDCP
Yes, DisplayPort™ and HDMI

Power supply
100 - 240 VAC 50/60 Hz
(Internal)

Power consumption
74 W (maximum), 34 W (typical), 0.5 W (standby)

Logistics and Physical

Product color
Black and Silver

Detachable stand
Yes

Physical security
Security lock-ready²

Dimensions without Stand (W x D x H)
21.2 x 15.2 x 12.35 in

Dimensions with stand (W x D x H)
21.2 x 7.68 x 19.26 in

Weight
10.6 lb (With stand.)

Packaged Dimensions (W x D x H)
24.61 x 5.55 x 14.69 in

Packaged weight
16.3 lb

Certification and compliance

Energy efficiency
ENERGY STAR® certified

Ecolabels
EPEAT® registered³

Environmental 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^{4,7,8,9,10}

Certifications
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 certificates¹³

Certified collaboration software
No

Windows Hello compatible
No

Operating temperature range
41 to 95°F

Operating humidity range
20 to 80% non-condensing

Additional information

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 report¹¹



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Footnotes

Messaging Footnotes

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.

² Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 EPEAT standard. Plastics consist of 90% Post-Consumer Recycled, with 85% Recycled Information Technology Equipment (ITE) + 5% Ocean-Bound Plastics (PET).

³ 100% outer box/corrugate cushion packaging made from sustainably sourced certified and recycled fibers. Fiber cushions made from 100% recycled wood fiber and organic material. Any plastic cushions are made from >90% recycled plastic. Excludes plastic bags and plastic foam sheeting.

⁴ Recycling facilities not available in all locations.

⁵ Comes with Power Cord, USB Type-A to B cable, HDMI and DisplayPort™ cables, all other cables sold separately.

⁶ Host PC requires Windows 10 or higher. HP Display Center is available on the Microsoft store.

⁷ HP Display Manager software agent must be running on a web server and host PC. Some limitations may apply to legacy monitors.

Technical Specifications Footnotes

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.

³ 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.

⁴ External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.

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.

⁷ 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.

⁸ Percent of recycled metal varies by product.

⁹ Percentage of ocean-bound plastic contained in each component varies by product.

¹⁰ Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.

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.

