Datasheet

HP Z24m G3 QHD Conferencing Display

Creative Collaboration Elevated

Enhanced by HP Presence[2], you can collaborate wherever you find yourself all while creating with the brilliant and vibrant color you need. With integrated conferencing 5 MP webcam, speakers and mic, you feel as if you're face-to-face. With the 60,5 cm(23.8-inch) diagonal HP Z24m G3 Display, you have color accuracy, HDR, and QHD to bring your ideas to life.

*Product image may differ from actual product

Share Your Ideas in Perfect Clarity

Make an outstanding impression with state-of-the-art integrated conferencing features enhanced by HP Presence[2]. Present your work in perfect clarity with a high-resolution 5MP webcam, noise-cancelling mics and fine-tuned, recessed speakers designed to fit in a 4-sided borderless frame. These integrated features are rigorously tested to ensure Zoom and other conferencing software work seamlessly.

See Colors as They Really Are

Trust the colors you see on screen with the industry-leading Z by HP color accuracy and factory color calibration you expect. Equipped with the creative color gamuts you work in most[1], 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.

A Smooth Screen Experience

Experience every pixel and movement with the precision of reality in crisp Quad HD 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.

Sustainability in action

Build for a better tomorrow

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

Datasheet

HP Z24m G3 QHD Conferencing Display

Featuring

Enhanced by HP Presence
Look and sound your best with all new collaborating 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 diagonal screen with crisp QHD resolution.

Proximity Detection
Get to work faster and know your privacy is protected with proximity detection.

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.

Zoom Certified
Because HP met or exceeded all Zoom quality benchmarks, you can be sure our hardware works seamlessly with Zoom and most other conferencing platforms to deliver an stunning conferencing experience every time.

Only Share When You Want
Push the webcam down for worry-free privacy.

Windows® Hello Enabled Integrated Webcam
Integrated webcam features an improved discrete IR sensor, so using your face as a password with Windows® Hello has never been more hassle-free.[5]

Crystal Clear Audio, Beautiful Design
With built-in, down firing speakers, hear with perfect clarity in a 4-sided borderless frame.

Your Webcam and Audio Your Way
Customize your webcam and audio settings using simple controls in HP Display Center. Crop in and adjust brightness, exposure, volume using simple sliders.[6]

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.[7]

Thoughtful Product Packaging
HP is committed to reducing plastic in landfills by using 100% recyclable packaging that meets recycling requirements, so it stays out of the landfill.[8,9]

More Ports. More Flexibility.
Packed with ports including USB-C®, HDMI, DisplayPort™, and four USB-A 3.2 ports.[10]

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.[11]

Crystal Clear Audio, Beautiful Design
With built-in, down firing speakers, hear rich audio in perfect clarity via dual 5W speakers with 84dB SPL and 160 Hz bass roll off.

3 years limited warranty
Get peace of mind with a 3 years warranty

HP Z24m G3 QHD Conferencing Display

Specifications

Display specifications

Display size
23.8"[1]
Display size (diagonal, metric)
60.45 cm (23.8")
Aspect ratio
16:9
Curvature
Flat
Native resolution
QHD (2560 x 1440)[1,2,3,4]
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
IPS[1]
Bezel
4-sided micro-edge
Panel active area
52.68 x 29.64 cm
Panel bit depth
10 bit (8 bit + FRC)
Display colors
Up to 1.07 billion colors supported[5]
Display color gamut
99% sRGB; 90% DCI-P3; 99% BT.709
Display scan frequency
30-140 KHz (Horizontal)
Response time
5ms GtG (with overdrive)[1]
Brightness
400 nits[1]
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; IR webcam; Height Adjust/Tilt/Swivel/Pivot; Integrated speakers; HP Eye Ease; Integrated microphone
Display User Control Options
Brightness; Exit; Information; Management; Power; Input control; Menu control; Image; Color
Management software
HP Display Center; HP Display Manager[13]
Remote manageability
In-Band MAC Address Pass Through (MAPT); In-Band Wake on LAN (WoL); PXE Boot
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
Yes, 5MP
Camera features
Independent tilt -20° to 5°; Windows Hello support (IR Sensor); Pop-up privacy
Microphone
Yes (noise cancelling)
Speaker output power
2 x 5 W

Connectivity and communications

Port and connectors
1 HDMI 2.0
1 DisplayPort™ 1.4
1 DisplayPort™ 1.4-out
1 SuperSpeed USB Type-C® 10Gbps signaling rate (Up to 100W USB Power Delivery, Alt Mode DisplayPort™ 1.4)
4 SuperSpeed USB Type-A 5Gbps signaling rate
1 RJ-45
HDCP
Yes, DisplayPort™ and HDMI
Power supply
100 - 240 VAC 50/60 Hz
(Internal)
Power consumption
170 W (maximum), 38 W (typical), 0.5 W (standby) 0.5 W (standby)
Standby mode power demand
0.5 W (standby)

Logistics and Physical

Product color
Black/Silver
Detachable stand
Yes
Physical security
Security lock-ready[12]
Dimensions without Stand (W x D x H)
62.5 x 14.1 x 38.7 cm
Dimensions with stand (W x D x H)
53.83 x 19.5 x 48.93 cm
Weight
5.7 kg (With stand.)
Packaged Dimensions (W x D x H)
53.83 x 4.84 x 31.17 cm
Packaged weight
8.2 kg

Certification and compliance

Energy efficiency
F
Environmental specifications
85% post-consumer recycled plastic; Low Halogen; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; Contains Ocean-Bound recycled plastic; Designed with recycled metals[6,7,8,9,10]
Certifications
Australian-New Zealand MEPS; BIS; BSMI; CB; CCC; CE; CEL; cTUVus; EAC; FCC; GS Mark; ISO 9241-307; KC/KCC; NOM; PSB; SEPA; TUV-S; VCCI; Vietnam MEPS; WEEE; ISC; Low blue light; CEL Grade 3; South Africa Energy; ICE; UAE; Ukraine certificates[14]
Windows Hello compatible
Yes
Operating temperature range
41 to 95°F
Operating humidity range
20 to 80% non-condensing

Additional information

Manufacturer Warranty
3 years limited warranty
What's in the box
DisplayPort™ cable; HDMI cable; VESA Mount adapter; Warranty card; Quick Setup Poster; 1 USB Type-C® to Type-C cable; AC power cord; Color calibration report[11]

HP Z24m G3 QHD Conferencing Display

Accessories and services (not included)

HP B550 PC Mounting Bracket

Customize an altogether better solution with the HP Z PC Mounting Bracket for Z Displays, which lets you attach a Z Mini Workstation directly behind select Z Displays[1] and P series.
Product number: 16U00AA
[1] Compatible with 724pf, 724pn, 724pu, 732pk, Z24f G3, Z24n G3, Z24u G3, Z27q G3, Z27u G3, Z27k G3, Z27xs G3, Z25xs G3.

HP Z G3 Conferencing Speaker Bar

What you say and hear is just as important as what you see on conference calls. If you are looking for clearer, richer sound along with style and flexibility, look no further than the Z G3 Conferencing Speaker Bar to improve your audio experience[1].
Product number: 32C42AA
[1] Mounting is compatible only for the HP 724pf Display, HP 724pn Display, HP 724pu Display, HP 732pk Display, HP Z24f G3 Display, HP Z24n G3 Display, HP Z24u G3 Display, HP Z27q G3 Display, HP Z27u G3 Display, HP Z27k G3 Display, HP Z25xs G3 Display, HP Z27xs G3 Display.
[2] Must paired with Z G3 Conferencing Speaker Bar Stand (74N60AA) to be compatible with selected Series 7 Pro monitors 727pq, 727pu and 727pk.

HP Quick Release Bracket 2

Use the HP Quick Release Bracket 2 to attach your HP Desktop Mini to an HP display[1] and a variety of stands, arms or wall mounts.[2] The failsafe "Sure-Lock" mechanism snaps the PC securely in place, and can be further secured with a theft-deterrent security screw.
Product number: 6KD15AA

HP Integrated Work Center for Desktop Mini and Thin Client

Make the most of small work spaces with an HP IWC Desktop Mini/Thin Client that lets you create a compact desktop solution by combining a display[1] with an HP Desktop Mini, HP Thin Client or HP Chromebox[1] and giving you convenient front access to all of its inputs.
Product number: G1V61AA
[1] Not all 24-inch monitors supported please refer list of compatible monitors.
[2] IWC is compatible with displays up to 24 diagonal inches. See QuickSpecs for exact device compatibility.

HP Z24m G3 QHD Conferencing Display

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.
[2] HP Presence features vary by platform.
[3] Not compatible with Mac products.
[4] Z24q G3 display sold separately.
[5] Windows® Hello requires Windows 10 or higher. Internet connection required for online logins and sold separately.
[6] Host PC requires Windows 10 or higher. HP Display Center is available on the Microsoft store.
[7] 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).
[8] 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.
[9] Recycling facilities not available in all locations.
[10] Comes with Power Cord, USB-C® cable, HDMI cable, and DisplayPort™ cable, all other cables sold separately.
[11] 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] DisplayPort™ 1.2 or HDMI 1.4 required to drive panel at its native resolution.
[3] 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, or USB Type C® (Alt Mode DisplayPort™).
[4] The video card of the connected PC must be capable of supporting 2560 x 1440 at 60 Hz and include 1 DisplayPort™, 1 HDMI or USB Type C® (Alt Mode DisplayPort™) outputs to drive the monitor at the Preferred Mode.
[5] Number of colors through A-FRC technology.
[6] Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.
[7] External power supplies, WWAN modules, power cords, cables and peripherals excluded.
[8] 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.
[9] Percent of recycled metal varies by product.
[10] Percentage of ocean-bound plastic contained in each component varies by product.
[11] Included cables may vary by country.
[12] Lock sold separately.
[13] HP Display Center requires Windows 10 (or higher) on host PC and is available from the Windows store.
[14] Monitors produced from June 2024 comply with China regulation GB 21520-2023.

© Copyright 2023 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. EPEAT® is a registered trademark of GREEN ELECTRONICS COUNCIL. USB Type-C® and USB-C® are registered trademarks of USB Implementers Forum. Windows is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries. DisplayPort™ and the DisplayPort™ logo are trademarks owned by the Video Electronics Standards Association (VESA®) in the United States and other countries.

April 2024