

HP Z24f G3 FHD Display (3G828AA)



Overview

Exquisitely crafted for every detail

Meticulously crafted to surpass every design standard, the HP Z24f G3 FHD Display is composed of authentic aluminum and delivers an impressive, frameless viewing experience. Bring your ideas to life with remarkable color accuracy in precise Full HD resolution. Refine your work experience and transform your PC into a powerhouse with this 23.8-inch diagonal screen monitor.

Universally consistent colors

Out of the box, you get remarkable color accuracy from screen to screen[1]. Achieve precise, vibrant detail with 99% sRGB color gamut and Full HD resolution.

Always on low blue light

Experience exceptional vibrancy with HP Eye Ease, the always on low blue light filter that reduces blue light exposure with zero impact to true color accuracy.

Design pushed to the edge

This stunning 23.8-inch diagonal screen monitor is meticulously crafted with a razor thin profile and frameless design. Get ultimate comfort with 4-way ergonomic adjustability.

Responsibly reimagined

Make a conscious choice with this monitor that's been built with the environment in mind. Its plastics consist of over 80% recycled materials[2] plus it has 100% sustainably sourced and recyclable packaging[3]. It is ENERGY STAR® certified and EPEAT® 2020 registered[4].

Features

Easily connect multiple monitors

Declutter your desk and connect a series of displays by daisy chaining with a single DisplayPort™ cable.^[5]

All the ports you need

Connect to a Workstation, a PC and additional displays.

Easily mount a Mini

Mount your HPZ2 Mini or HP Desktop Mini directly to the monitor for a clean workspace.^[6]

HP Zero BrightDot Guarantee

Even if just a third of a pixel fails or is stuck in one position, HP will replace the entire display.^[7]

Optional integrated audio

Easily attach the Z Display Conferencing Speaker Bar for stereo quality audio and dual microphones.^[8]

3-year limited warranty

The assurance of HP's three-year standard limited warranty.

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

[2] Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 EPEAT standard.

[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] Based on US EPEAT® registration according to IEEE 1680.1-2020 EPEAT®. Status varies by country. Visit www.epeat.net for more information.

[5] Requires an additional DisplayPort™ cable to daisy chain.

[6] Z2 Mini and Desktop mini and B550 Z Display G3 PC Mounting Bracket sold separately.

[7] The HP Pixel Policy allows no bright sub-pixel defects for this display. For complete details, see <http://support.hp.com/us-en/document/c00288895>.

[8] Z Display Conferencing Speaker Bar Sold Separately.

Specifications

Display size (diagonal)	23.8"
Panel technology	IPS
Display size (diagonal)	60.45 cm (23.8")
Aspect ratio	16:9 ^[1]
Native resolution	FHD (1920 x 1080) ^[1]
Resolutions supported	640 x 480; 800 x 600; 1024 x 768; 1280 x 720; 1280 x 800; 1280 x 1024; 1440 x 900; 1600 x 900; 1680 x 1050; 1920 x 1080
Pixel pitch	0.274 mm
Brightness	300 nits ^[1]
Contrast ratio	1000:1 ^[1]
Response time (typical)	5ms GtG (with overdrive) ^[1]
Minimum dimensions (W x D x H)	53.84 x 3.85 x 31.37 cm (Without stand.)
Dimensions With Stand (W x D x H)	53.84 x 19.5 x 48.93 cm
Weight	4.7 kg (With stand.)
Display features	Language selection; On-screen controls; Pivot rotation; Anti-glare; Height adjustable
Display Input Type	1 DisplayPort™ 1.2-out; 1 HDMI 1.4; 4 USB-A 3.2 Gen 1; 1 DisplayPort™ 1.2-in
Onscreen controls	Exit; Information; Management; Power control; Input control; Menu control; Brightness+; Image; Color
Display colors	Up to 16.7 million colors supported (through FRC technology)
Display scan frequency (horizontal)	30-75 KHz
Display scan frequency (vertical)	50-60 Hz
Camera	No integrated camera
Power	100 - 240 VAC 50/60 Hz
Power consumption	58 W (maximum), 26 W (typical), 0.5 W (standby)
Operating temperature range	5 to 35°C
Operating humidity range	20 to 80% non-condensing
Sustainable impact specifications	Low halogen
Certifications and compliances	Australian-New Zealand MEPS; BIS; BSMI; CB; CCC; CE; CEL; CEL Grade 1; cTUVus; EAC; ErP; FCC; GS Mark; ISO 9241-307; KC/KCC; NOM; PSB; SEPA; TUV-S; VCCI; Vietnam MEPS; WEEE; ISC; Low blue light; Ukraine Energy label; WW application; UAE ^[5]
Ecolabels	EPEAT® Gold

Physical security	Security lock-ready ^[2]
Management Software	HP Display Center; HP Display Manager
UPC number	195122290931
Manufacturer Warranty	3 year (3/3/0) limited warranty includes 3 years of parts and labor. No on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.
What's in the box	Monitor; Documentation; VESA Mount adapter; USB Type-A to B cable; Cable manager; AC power cord; DisplayPort™ 1.4 cable ^[4]

Additional specifications

Additional information about HP in the countries	hp.com
Backlight type	Edge-lit
Bezel	4-sided micro-edge
Color gamut	99% sRGB; 85% DCI-P3
Curvature	Flat
Datasheet photo 1	AHID/99f0d5240d3c312bf00ffb517a96cbb2d0e49e3
Datasheet photo 2	AHID/cbe5f27801fc89cb56af949d32c510b5858317d0
Datasheet photo 3	AHID/1c09a2960591839ac2af057f9e865ef1cbf1632e
Datasheet photo 4	AHID/f8dcd374c2e9b8019879b92a8322b66b75f0cead
Detachable stand	Yes
Display area (metric)	52.7 x 29.6 cm
Display contrast ratio (dynamic)	10000000:1
DisplayPort™	1 DisplayPort™ 1.2
DisplayPort™ Out	1 DisplayPort™ 1.2-out
End of Life CO2e (kg)	3
Energy Usage CO2e (kg)	38
Energy star certified	ENERGY STAR® certified
Flicker-free	Yes
HDCP	Yes, DisplayPort™ and HDMI
HDMI	1 HDMI 1.4
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	0 – 95%
Operating temperature range	41 to 95°F
Package dimensions (W x D x H)	62.5 x 37.3 x 14.2 cm
Package weight	7.2 kg
Panel bit depth	8 bit (6 bit + 2 FRC)
Pixels per inch (ppi)	93 ppi
Power supply type	Internal

Production CO2e (kg)	113
Recommended resolution	FHD (1920 x 1080 @ 60 Hz)
Resolution (maximum)	FHD (1920 x 1080 @ 60 Hz)
Screen treatment	Anti-glare
Speaker type	No
Storage temperature range	5 to 95%
Tilt	-5 to +20°
Total CO2e (kg)	160 <i>(A product carbon footprint is defined as the total amount of greenhouse gases emitted directly and indirectly by a product over its lifetime. Greenhouse gas emissions are reported as global warming potential for 100-year time horizon (GWP-100) in units of CO2 equivalence. Calculations are done in accordance with ISO 14040 & ISO 14044. Individual values may not sum to total due to rounding.)</i>
Total CO2e (kg) footnote number	[60]
Touch-enabled	Not touch-enabled
Transportation CO2e (kg)	2
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°
pivot	±90
swivel	±45°

[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.

[4] Included cables may vary by country.

[5] Monitors produced before June 1st 2024 comply with China regulation GB 21520-2015.

Services

HP Care Pack Services

★ : Recommended

Personal Systems Commercial Care Pack Services

HP 1y Post Warranty Next Business Day Response Advanced Exchange DisplayHardware Support	U0J16PE
HP 4y Next Business Day Response Advanced Exchange Large DisplayHardware Support	U0J12E
HP 5y Next Business Day Response Advanced Exchange Large Display Hardware Support	U0J13E

Accessories for PC

Stands/Mounting Brackets

★ : Recommended

Mounting Brackets

HP B550 PC Mounting Bracket

16U00AA

Stands

HP Integrated Work Center for Desktop Mini and Thin Client

G1V61AA

Security

Security Cables

HP Business PC Security Lock v3 Kit

3XJ17AA

Audio Devices

PC Speakers

HP Z G3 Conferencing Speaker Bar

32C42AA

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