



HP Series 7 Pro 27 inch QHD Thunderbolt 4 Monitor - 727pu (8J9E6AA)



Overview

Power to see ideas realized

See your bright ideas become brilliant. The HP 27" QHD Thunderbolt 4 Monitor pairs striking colors with seamless connectivity to help reimagine your creative process. Keep your vision in focus with crisp front-of-screen visuals and powerful multitasking capabilities.



Your vision, exactly as you dream it

The clearer you see, the better you create. Trust what you see right out of the box with factory-calibrated color accuracy on a DreamColor-class display.[1] Jump into a wide array of vivid, lifelike hues and rich contrast thanks to IPS Black, HDR 400, 98% Display P3, and more.[2]



Made to fit you perfectly

For all-day comfort, settle into your workflow by finding your screen's perfect position with four-way adjustability and Ergonomic Setup Guide.[4] Help your eyes stay fresh, day or night, with the ambient light sensor that automatically adjusts the monitor's brightness.



Productivity at its most beautiful

Get the power to take on any task, unhindered. This superfast Thunderbolt™ 4 display delivers high-resolution video, high-speed data, and up to 100W charging.[3] Ditch the extra cables, and enjoy the freedom and performance of this single-cable solution.



Materials that make an impact

The better choice for a brighter tomorrow, this energy-efficient monitor is made with 90% recycled plastic content.[5] And with 100% sustainably sourced packaging[6], you can be confident knowing your monitor does good things for you and the planet.

Features

QHD Resolution

Dive into the captivating definition and sharp details of 3.7 million pixels. 2560 x 1440 Quad HD resolution transforms all your content for a stunning viewing experience on this 27" monitor.

IPS Black Technology

View brilliant visuals from any angle with deeper colors, darker shadows, and brighter highlights with IPS Black. Enjoy a stunning 2,000:1 contrast ratio—twice that of a traditional IPS—and ultra-wide viewing angles.^[2]

Superb Color Accuracy

For color-critical projects, trust this Pantone-validated™ display with superb color accuracy, achieved by strict factory color calibration that ensures over 400 colors achieve a Delta E < 2, making any color difference virtually indistinguishable.

HDR and Wide Color Gamut

Replicate reality on your screen with 98% Display P3, 100% sRGB and VESA DisplayHDR™ 400 for a wide range of vibrant colors and deeper hues that represent colors as they are in the real world.^[2]

AMD FreeSync™ Premium & High Refresh Rate

Enjoy buttery-smooth scrolling and ultra-fluid, tear-free entertainment at peak performance with AMD FreeSync™ Premium* and a 120Hz refresh rate to keep you productive and engaged for work or play.
^[2,7]

HP User Color Recalibration

For professionals who demand exact, consistent, and top-quality color for their monitor, this feature allows users to recalibrate their displays to maintain professional-grade color accuracy throughout the life of the monitor.^[8]

[1] A DreamColor-class display is defined by 1) Factory calibrated color accuracy with Delta E < 2 for each measured color, 2) 10-bit color (either True 10-bit or 8bit +FRC) , and 3) a color gamut of 98% Display P3 or greater.

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

[3] For full Thunderbolt™ 4 functionality, host PC must support Thunderbolt™ 4.

[4] 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.

[5] 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% post-consumer recycled plastics + 5% Ocean-Bound Plastics (PET).

[6] 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.

[7] Requires host PC with AMD Radeon graphics and FreeSync Premium support. See www.amd.com/freesync for complete details.

[8] Requires external colorimeter or spectrometer via USB-C® and HP Display Center. Host PC requires Windows 10 or higher or MacOS 12 or higher. HP Display Center for Windows is available on the Microsoft store. For Windows and MacOS, it's available on support.hp.com.

Specifications

Display size (diagonal)	27"
Panel technology	IPS Black
Display size (diagonal)	68.6 cm (27")
Aspect ratio	16:9 ^[1]
Native resolution	QHD (2560 x 1440) ^[1,2]
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 1440
Pixel pitch	0.23 x 0.23 mm ^[1]
Brightness	400 nits ^[1]
Contrast ratio	2000:1 ^[1]
Response time (typical)	5ms GtG (with overdrive) ^[1]
Minimum dimensions (W x D x H)	61.34 x 7.45 x 35.4 cm (without stand)
Minimum dimensions (W x D x H)	24.15 x 2.93 x 13.94 in (without stand)
Dimensions With Stand (W x D x H)	61.34 x 22.52 x 54.05 cm
Weight	7 kg (with stand)
Weight	15.43 lb (with stand)
Display features	Single Power ON; AMD FreeSync™ Premium; Height Adjust/Tilt/Swivel/Pivot; HP Eye Ease; IPS Black; Ambient light sensor; KVM switch; Daisy chain; Picture-in-Picture; Picture-by-Picture; Pantone validated; Factory color calibration; HP User Color recalibration
Onscreen controls	Color; Image; Input; Power; Menu; Management; Information; Exit; Split screen
Display colors	Up to 1.07 billion colors supported ^[1,3]
Display scan frequency (horizontal)	30-190 kHz ^[1]
Display scan frequency (vertical)	48-120 Hz ^[1]
Camera	No integrated camera
Power	100 - 240 VAC 50/60 Hz
Power consumption	210 W (maximum), 41 W (typical), 0.5 W (standby)
Operating temperature range	5 to 35°C
Operating humidity range	20 to 80% RH (non-condensing)

Sustainable impact specifications	Low halogen; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; 90% post-consumer recycled plastic; Made with 15% recycled steel; 90% recycled aluminum
Certifications and compliances	BIS; BSMI; CB; CCC; CE; CECP; CEL; EAC; FCC; ISO 9241-307; KC; KCC; NOM; PSB; RCM; SEPA; TUV-S; UL/CSA; VCCI; WEEE; ISC; Low blue light; ICE; UAE; GS; Ukraine EE; Belarus EE; Korea MEPS; CEL Grade 2
Physical security	Security lock-ready ^[5]
Management Software	HP Display Center; HP Display Manager
UPC number	(A2K) 197497764581; (A2N) 197497764598; (AB0) 197497764604; (AB1) 197497764611; (AB2) 197497764628; (AB4) 197497764635; (ABA) 197497764642; (ABB) 197497764659; (ABG) 197497764666; (ABJ) 4570101853646; (ABT) 197497764673; (ABU) 197497764680; (ABV) 197497764697; (ABY) 197497764703; (ACJ) 197497764710; (ACQ) 197497764727; (AH3) 197497764734; (AKL) 197497764741; (AR6) 197497764758; (UUF) 197497764765; (UUZ) 197497764772
Manufacturer Warranty	HP three-year limited warranty
What's in the box	Monitor; Thunderbolt™ cable; DisplayPort™ cable; HDMI cable; Warranty card; Quick Setup Poster; 1 USB Type-C® to Type-A cable; AC power cord; Color calibration report; VESA mount adapter ^[4]

Additional specifications

Backlight lamp life	30,000 hours
Backlight type	Edge-lit
Base area footprint (imperial)	10.08 x 7.68 in
Base area footprint (metric)	25.6 x 19.5 cm
Bezel	4-sided borderless
Color gamut	100% sRGB; 98% Display P3
Compatibility disclaimer 1	Power consumption of Desktop Mini PC varies per configuration, for the best user experience, please connect PC power cord while using USB-C® cable via Super Speed USB Type-C® port in the rear side of the platform.
Country of origin	Made in China
Curvature	Flat
Datasheet photo 1	AHID/7cef40f42efeb25d10cfa1ee276ff6083cc8385
Datasheet photo 2	AHID/eb0c96da55a340989eb1c2aca6a428cd6866e356
Datasheet photo 3	AHID/be9663af5f09a991d2d77549d847bd532e58b61f
Datasheet photo 4	AHID/639b416db9845107a477c0ab68ece207edb64a70
Detachable stand	Yes
Display area (imperial)	23.49 x 13.22 in
Display area (metric)	59.67 x 33.57 cm
Display contrast ratio (dynamic)	10000000:1
DisplayPort™	1 DisplayPort™ 1.4
DisplayPort™ Out	1 DisplayPort™ 1.4-out
Energy star certified	ENERGY STAR® certified
Ethernet	1 RJ-45 (10/100/1000 Mbps)
Flicker-free	Yes
HDCP	Yes, DisplayPort™, HDMI and Thunderbolt™
HDMI	1 HDMI 2.0
HDR	VESA DisplayHDR™ 400
Hardness	3H ^[1]
Haze	25%
Height adjustment range	150 mm
Horizontal viewing angle	178°
Low blue light	Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified) ^[1]
Operating temperature range	41 to 95°F
Package dimensions (W x D x H)	71.5 x 16.1 x 45.5 cm

Package dimensions (W x D x H)	28.15 x 6.34 x 17.91 in
Package weight	22.7 lb
Package weight	10.3 kg
Panel bit depth	10 bit (8 bit + FRC) ^[1]
Pixels per inch (ppi)	109 ppi ^[1]
Power supply type	Internal
Product dimensions with stand (W x D x H)	24.15 x 8.87 x 21.28 in
Refresh rate (maximum)	120 Hz
Remote manageability	Out-of-Band MAC Address Pass Through (MAPT); Out-of-Band Wake on LAN (WoL); PXE Boot
Resolution (maximum)	QHD (2560 X 1440 @ 120 Hz) ^[1]
Screen treatment	Anti-glare
Stand color	Black; Silver
Technology logo 1	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08056676.jpg
Technology logo 2	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08610271.png
Technology logo 3	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03123379.png
Technology logo 4	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08717783.png
Technology logo 5	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08949501.png
Tilt	-5 to +20°
UNSPSC code	43211902
USB Type-A	5 USB Type-A 10Gbps signaling rate (1 charging with 7.5 W)
USB Type-C® video input	1 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (up to 100 W USB Power Delivery, DisplayPort™ 1.4); 1 Thunderbolt™ 4 Out for Daisy chain (15 W charging)
VESA mounting	100 x 100 mm (bracket included)
Vertical viewing angle	178°
Viewable diagonal size	27" (68.47 cm)
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] DisplayPort™ 1.4 or HDMI 2.0 required to drive panel at its native resolution. The video card of the connected PC must be capable of supporting 2560 × 1440 at 120 Hz with 10-bit color using one DisplayPort™, HDMI, or USB-C (DisplayPort™ alt mode), Thunderbolt. The video card of the connected PC must be capable of supporting 2560 × 1440 at 60 Hz and include 1 HDMI or 1 DisplayPort™ outputs to drive the monitor at the Preferred Mode.

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

[4] Included cables may vary by country.

[5] Lock sold separately.

Accessories for PC

Stands/Mounting Brackets

★ : Recommended

Mounting Brackets

HP B560 PC Mounting Bracket	763U8AA
HP Quick Release Bracket 2	6KD15AA

Stands

HP Quick Release Monitor Single Arm	762U0AA
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Security

Security Cables

HP Business PC Security Lock v3 Kit	3XJ17AA
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Components/Upgrades

Chassis/Rails

HP Desktop Mini v4+ VESA Sleeve	99T54AA
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Audio Devices

PC Speakers

HP Z G3 Conferencing Speaker Bar	32C42AA
Z G3 Conferencing Speaker Bar Stand	74N60AA

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