Datasheet

HP Series 7 Pro 27 inch QHD Thunderbolt 4 Monitor - 727pu

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.

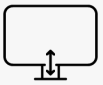
*Product image may differ from actual product

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]

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.



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.

Sustainability in action

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.

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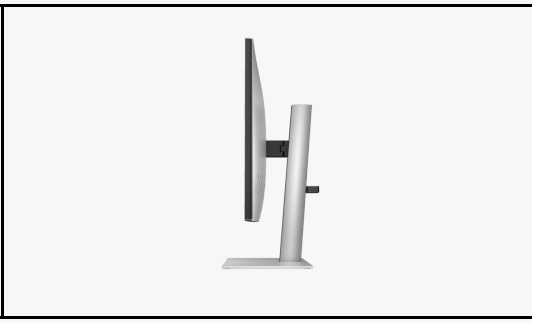
Featuring



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 300 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]

Thunderbolt™ 4 Technology
Multitask as a pro with a superfast Thunderbolt™ 4 monitor to deliver video and data at speeds up to 40Gpbs while charging devices up to 100W with a single cable for a seamless work setup.[3]

Smart KVM and PbP
Boost your productivity with Smart KVM switch that seamlessly detects and switches between two different computers, so you can multi-task with just one keyboard and mouse. Plus, see both devices side-by-side on screen with Picture-by-picture.[9]

More Ports. More Flexibility
More ports mean more capabilities. With Thunderbolt™ 4, USB-C® upstream, HDMI 2.0, DisplayPort™ 1.4 In and Out, RJ-45, 1 USB-C® 3.2 Gen 2, and 5 USB-A 3.2 Gen 2 ports, you can daisy-chain multiple monitors and connect a mouse, keyboard, and more.[10]

Always-on, True Color, Low-Blue Light Filter
HP Eye Ease is an always-on, low-blue light filter that helps keep your eyes comfortable throughout the day by reducing blue light without impacting color accuracy or adding a yellow color shift.

Sleek and functional design
Sleek design, maximum view—4-sided micro-edge bezel, adjustable stand, and natural silver finish for aesthetic appeal.

HP Display Center
Customize your monitor with the intuitive HP Display Center that lets you tailor your settings, partition screens, and more—all through the host PC. Plus, learn how to find your perfect posture with help from the included HP Ergonomic Setup Guide.[11]

Remote Management Reimagined
HP Client Management Script Library (CMSL) makes remote manageability easy to use. This powerful solution works seamlessly with Intune/SCCM to manage your display fleet using PowerShell.[12]

Peace of Mind
Enjoy peace of mind with a 3-year limited warranty and HP Zero Bright Dot Guarantee. For all HP Series 7 Pro monitors, even if one subpixel fails, HP will replace the entire monitor, no questions asked.[13]

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Specifications

Display specifications

Display size (diagonal, metric)
68.6 cm (27")
Viewable diagonal size
27" (68.47 cm)
Aspect ratio
16:9[1]
Curvature
Flat
Native resolution
QHD (2560 x 1440)[1,2]
Resolution (maximum)
QHD (2560 X 1440 @ 120 Hz)[1]
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
Panel type
IPS Black; LCD[1]
Bezel
4-sided borderless
Panel active area
59.67 x 33.57 cm
Panel bit depth
10 bit (8 bit + FRC)[1]
Display colors
Up to 1.07 billion colors supported[1,3]
Display color gamut
100% sRGB; 98% Display P3
HDR Support
VESA DisplayHDR™ 400
Refresh rate (maximum)
120 Hz[1]
Display scan frequency
48-120 Hz (Vertical)[1] 30-190 kHz (Horizontal)[1]
Response time
5ms GtG (with overdrive)[1]
Brightness
400 nits[1]
Contrast ratio
2000:1 (Static)[1] 10000000:1 (Dynamic)[1]
Pixel pitch
0.23 x 0.23 mm[1]
Pixels per inch (ppi)
109 ppi[1]
Viewing angle
178° (Vertical) 178° (Horizontal)
Backlight type
Edge-lit
Backlight lamp life
30,000 hours
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
Display User Control Options
Color; Image; Input; Power; Menu; Management; Information; Exit; Split screen
Management software
HP Display Center; HP Client Management Script Library[6,13]
Remote manageability
Out-of-Band MAC Address Pass Through (MAPT); Out-of-Band Wake on LAN (WoL); PXE Boot
Low blue light modes
Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)[1]
Flicker-free
Yes
Screen treatment
Anti-glare
Hardness
3H[1]
Haze
25%
VESA mount
100 x 100 mm (bracket included)
Height adjustment range
150 mm
Tilt
-5 to +20°
Swivel
±45°
Pivot
±90°
Camera
No integrated camera

Connectivity and communications

Port and connectors
1 HDMI 2.0
1 DisplayPort™ 1.4
1 DisplayPort™ 1.4-out
1 USB Type-C® 10Gbps signaling rate upstream (Up to 15W USB Power Delivery); 1 USB Type-C® 10Gbps signaling rate (15 W charging)
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)
5 USB Type-A 10Gbps signaling rate (1 charging with 7.5 W)
1 RJ-45 (10/100/1000 Mbps)
HDCP
Yes, DisplayPort™, HDMI and Thunderbolt™
Power supply
100 - 240 VAC 50/60 Hz
(Internal)
Power consumption
210 W (maximum), 41 W (typical), 0.5 W (standby)

Logistics and Physical

Product color
Black bezel; Silver rear cover
Stand color
Black; Silver
Detachable stand
Yes
Physical security
Security lock-ready[5]
Base area footprint
25.6 x 19.5 cm
Dimensions without Stand (W x D x H)
61.34 x 7.45 x 35.4 cm
Dimensions with stand (W x D x H)
61.34 x 22.52 x 54.05 cm
Weight
7 kg (with stand)
Packaged Dimensions (W x D x H)
71.5 x 16.1 x 45.5 cm
Packaged weight
10.3 kg

Certification and compliance

Energy efficiency
ENERGY STAR® certified
Ecolabels
TCO Certified; TCO Certified Edge; EPEAT® registered with Climate+[7]
Environmental 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[8,9,10,11,12]
Certifications
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
Microsoft WHQL certification
Windows 11; Windows 10
Operating temperature range
41 to 95°F
Operating humidity range
20 to 80% RH (non-condensing)

Additional information

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]
Country of origin
Made in China

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Accessories and services (not included)

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.
Product number: 32C42AA
[1] Includes 3.5mm audio jack.
[2] Also compatible with DreamColor-class displays.

HP Business PC Security Lock v3 Kit

Help prevent chassis tampering and secure your PC and display in workspaces and public areas with the affordable HP Business PC Security Lock v3 Kit.
Product number: 3XJ17AA

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 Quick Release Monitor Single Arm

Enjoy more comfort and space with the HP Quick Release Monitor Arm. Easily mount and quickly release select E-Series G5[1], Series 5 Pro[2], and Series 7 Pro[3] monitors to maximize workday comfort and desk space.
Product number: 762U0AA
[1] Compatible with monitors that have 100 x 100 VESA mount and adapter. Quick release attach capability is available for the following E-Series G5 monitors: E22 G5, E24 G5, E24t G5, E24q G5, E27 G5, E27q G5, E24u G5, E27u G5, E27k G5, and E32k G5.
[2] Requires monitor VESA adapter for selected models. Please contact your Sales agent or HP Service for further guidance.

HP B560 PC Mounting Bracket

Create a compact workspace with the HP B560 PC Mounting Bracket. Attach your HP Desktop Mini PC[1] behind select E-Series G5[2], Series 5 Pro[3], or Series 7 Pro[4] monitors for a fully adjustable, space-saving solution.
Product number: 763U8AA
[1] Compatible with Desktop Mini PCs and Workstations that have a 100 mm x 100 mm VESA mount. Use included spacer kit to allow compatibility with HP Thin Clients that have a 100 mm x 100 mm VESA mount.
[2] Compatible with the following E-Series monitors: E22 G5, E24 G5, E24t G5, E24q G5, E27 G5, E27q G5, E24u G5, E27u G5, E27k G5, and E32k G5, E45c G5.

HP Desktop Mini v4+ VESA Sleeve

Wrap your HP Desktop Mini PC in the HP Desktop Mini v4+ VESA Sleeve to securely mount it—with or without an Expansion Module[1,2]—behind your display, position the solution on a wall, and lock it down with the integrated security bracket and optional HP Ultra-Slim Cable Lock.
Product number: 99T54AA
[1] Each sold separately. Expansion Modules are compatible with the HP Desktop Mini v4+ VESA Sleeve (99T54AA). The HP DM VESA Power Supply Holder Kit and HP DM VESA Quick Deploy Adhesive are only compatible with HP Desktop Mini v4+ VESA Sleeve (99T54AA). See product QuickSpecs for exact configurations.
[2] Requires HP Quick Release Monitor Arm, or HP B600/B550/B560 PC mounting bracket for selected models. Please contact your Sales agent or HP Service for further guidance.

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Footnotes

Messaging Footnotes

[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.
[9] For KVM compatibility, if connected PCs do not have USB-C® port, user will need a USB-C® to A cable. Sold separately
[10] Comes with AC power cord, DisplayPort™ 1.4 cable; HDMI 2.0 cable; USB Type-A to C cable; and Thunderbolt™ 4 cable.
[11] Host PC requires Windows 10 or higher. HP Display Center is available for download on the Microsoft store for Windows or support.hp.com for Windows and MacOS.
[12] HP CMSL is estimated to be available between November 2024 to April 2025. HP CMSL is only supported on 64-bit PowerShell 5.1 and higher. CMSL Support Windows 10 version 1809 and higher, and Windows 11. Some limitations may apply to legacy displays. Visit support.hp.com to download HP CMSL.
[13] 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

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™ 1.4 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 x 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.
[6] Host PC requires Windows 10 and above. HP Display Center is available on the Microsoft store.
[7] 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.
[8] External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.
[9] Molded pulp cushions are made from 100% recycled wood fiber and organic materials.
[10] 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.
[11] Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.
[12] Recycled metal is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal parts over 25 grams.
[13] HP CMSL is estimated to be available between November 2024 to April 2025. HP CMSL is only supported on 64-bit PowerShell 5.1 and higher. CMSL Support Windows 10 version 1809 and higher, and Windows 11. Some limitations may apply to legacy displays. Visit support.hp.com to download HP CMSL.

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