

HP Pavilion 27 Quantum Dot Display



It's not what you see, it's how you see it. Your life in a billion colors.

Create, edit and stream with cinema-quality entertainment at home thanks to innovative Quantum Dot on Glass technology. Get modern design and true-to-life colors in HP's thinnest-ever Quad HD display.

Product overview

- **Cinema-quality display:** This Quad HD Quantum Dot on Glass display gives you movie theater quality visuals at home. Create, edit and stream in more than a billion vibrant colors and stunning clarity.⁽¹⁾
- **Beautifully thin:** At 6.5mm, this is the thinnest display HP has ever made, thanks to breakthrough Quantum Dot on Glass technology. Ultra-thin, 3-sided micro-edge display gives you more screen without the distracting bezel for stunning views on-screen and on-desk.
- **The difference is clear:** Experience true-to-life picture with stunning HDR technology that creates remarkable image clarity and color range.⁽⁷⁾ With deeper contrast and greater color accuracy, your content has never been this immersive.

Key specifications

- **Viewable image area:** 27-inch display, diagonally measured
- **Aspect ratio:** 16:9
- **Contrast:** Dynamic Ratio 5M:1⁽³⁾
- **Resolution:** 2560 x 1440 (QHD)⁽¹⁾
- **Connectivity:**
 - 1 x DisplayPort™ 1.4
 - 1 x HDMI
 - 1 x USB Type-C™ video⁽¹¹⁾
 - 2 x USB 3.0
- **Exterior color:** Sparkling black

Product features

- **Versatile connection options:** Features a variety of connectivity options including USB-C™ video, DisplayPort™, HDMI and USB 3.0. Effortlessly connect all your favorite devices, while staying ahead of the ever-changing tech curve.⁽¹¹⁾
- **Quad HD display:** Ultra-sharp details and captivating definition with 3.7 million pixels.⁽¹⁾
- **Quantum Dot Technology:** Quantum dot technology is the manipulation of micro-crystals that generates over a billion color variations, so what you see is unbelievably vibrant and lifelike.
- **Quantum Dot on Glass:** Trillions of tiny cadmium-free quantum dots deliver rich, vibrant color while using less energy than other display technologies.⁽¹⁰⁾
- **HDR display technology:** Expands color range capabilities and enhances contrast, meaning your HDR content always appears vivid and unbelievably life-like.⁽⁷⁾

Additional product features

- **3 Sided Micro Edge:** With virtually no bezel encircling the display on three sides, an ultra-wide viewing experience provides for seamless multi-monitor set-ups.
- **PLS Panel:** PLS technology brings you clear views from almost any angle. Every seat is the best seat in the house.
- **DCI P3 90% color space:** Experience an incredibly wide range of vibrant, realistic colors with the DCI-P3 color gamut.
- **Off the desk and on the wall:** The display is equipped with standard VESA mounting for showcasing on a wall.
- **AMD FreeSync™ technology:** See and feel the difference of fluid, responsive gameplay. By synchronizing the refresh rate with your GPU, AMD FreeSync™ makes display stutter, input lag, and screen tears ancient history.⁽²⁾
- **Share the panoramic view:** Vibrant detail from practically any position with consistent color and image clarity maintained across an ultra-wide 178° horizontal and vertical viewing angles.
- **Seamless visuals:** Smooth and quick 5 milliseconds gray-to-gray transitions (with overdrive).
- **Low Blue Light:** Using the Low Blue Light mode subtly shifts your display's colors to a warmer spectrum, while making whites more natural and putting less strain on your eyes.

Environmentally conscious

- Energy efficient design and components help reduce power consumption and energy costs.

Warranty and support

- Peace-of-mind coverage: Rest easy and work confidently with an HP standard 1 year limited warranty. Certain restrictions and exclusions apply.⁽⁹⁾



Monitor specifications

Panel type	• PLS Quantum Dot Panel
Viewable image area	• 27-inch display, diagonally measured
Viewing angle	• Horizontal: 178° • Vertical: 178°
Surface treatment	• Anti-glare panel
Bezel	• 3-sided micro-edge bezel
Native resolution	• 2560 x 1440 @ 60 Hz
Panel bit depth	• 8 bit
Aspect ratio	• 16:9
Contrast ratio	• Static Ratio: 700:1 • Dynamic Ratio: 5M:1 ⁽³⁾
Brightness (typical)	• 400 nits ⁽⁴⁾
Color gamut	• DCI P3 90% (min) • DCI P3 93% (typical)
Factory Color Presets	• Standard, Gaming, Cinema, Vivid, Warm, Cool, Native, Low Blue Light, Night, Reading, RGB Gain Control
Low blue light mode	• Yes
Pixel pitch	• 0.233 (H) mm x 0.233 (V) mm • 108.79 PPI
Panel active area	• 596.74 x 335.66 mm • 23.49 x 13.21 in
Recommended refresh rate	• 2560 x 1440 @ 60Hz
Scan range	• Horizontal: 30 to 100 KHz • Vertical: 46 to 75 Hz
Response time	• Typical: 14 ms (rise + fall) • Average: 5 ms GtG with overdrive
Variable sync support	• AMD FreeSync™ ⁽²⁾
Connectivity	• 1 x DisplayPort™ 1.4 • 1 x HDMI • 1 x USB Type-C™ video • 2 x USB 3.0 • HDCP Support (DisplayPort, HDMI, USB-C)
Power supply	• External 19.5 Vdc / 4.62A~90W
Maximum power consumption	• 90W
Energy saving/standby mode	• 0.5W
Tilt	• -5 to +25 degrees
Base area footprint	• 11.04 in x 7.0 in • 280.5 mm x 178.0 mm
Detachable base	• Yes, ships detached
VESA mounting	• 100 mm with VESA bracket included
Security lock ready	• Yes
Unpackaged dimensions	• 24.15 in (W) x 7.0 in (D) x 17.31 in (H) • 61.33 cm x 17.8 cm x 43.96 cm
Unpackaged weight	• 10.15 lb • 4.6 kg
Packaged dimensions	• 27.3 in (W) x 5.9 in (D) x 20.7 in (H) • 69.3 cm x 15.0 cm x 52.5 cm
Packaged weight	• 16.3 lb • 7.4 kg

Learn more at [hp.com](#)

⁽¹⁾ Quad high-definition (QHD) content required to view QHD images. ⁽²⁾ FreeSync™ is only available when it is connected on DisplayPort™ or HDMI. FreeSync is an AMD® technology is enabled on FHD or QHD displays and is designed to eliminate stuttering and/or tearing in games and videos by locking a display's refresh rate to the frame rate of the graphics card. AMD Radeon Graphics and/or AMD A-Series APU-compliant monitors with DisplayPort/HDMI Adaptive-Sync required. AMD 15.11 Crimson driver (or newer) required to support FreeSync over HDMI. Adaptive refresh rates vary by monitor. More information is available at [www.amd.com/freesync](#).

⁽³⁾ Dynamic Contrast Ratios during video playback only, depending on series of frames or time duration. ⁽⁴⁾ All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. ⁽⁵⁾ External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen. ⁽⁶⁾ Arsenic and its compounds were not detected using U.S. EPA test methods 3052/6010b by ICP-AES with a Method Detection Limit of 10 ppm. ⁽⁷⁾ High dynamic range (HDR) content required to view HDR images. ⁽⁸⁾ Warranty may vary by country. See [www.hp.com/go/support](#) for details. ⁽⁹⁾ Cadmium is a heavy metal and is not environmentally friendly. ⁽¹⁰⁾ This monitor will not charge your devices. USB Type-C™ and USB-C™ are trademarks of USB Implementers Forum.

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On screen display	• Joy stick control, Brightness, Color, Image, Input, Power, Menu, Management, Information
User programmable modes	• 20
Languages	• English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese
Certifications	• Windows 7,8,10 Microsoft WHQL Certification • WW application. CE,CB,KC/KCC/NOM/PSB/CE/TUV-S/ISO 9241-307/EAC/JUL/CSA/PSB/ISC/CCC/CEL/TCO/Energy Star/ISC/VCCI/FCC/BSMI/MEPS/WEEE • Free-Sync™ Technology ⁽²⁾

Environmental features

LED backlights	• Mercury-free LED backlighting
Backlight lamp life	• 40K hours
Arsenic-free	• Arsenic-free display glass ⁽⁶⁾
Low halogen	• Low-voltage halogen design ⁽⁵⁾
Certifications	• Energy Star® qualified • This product carries the TCO Certified designation

Accessories & warranty

What's in the box	• A/C power cable 6.2 ft (1.9m) • External power adapter (90W) • HDMI cable 5.9 ft (1.8m) • VESA mount adapter • Documentation
Limited warranty	• Protected by a one-year HP limited warranty. Certain restrictions and exclusions apply. ⁽⁸⁾

Additional information

Product number	• 5DQ99AA#ABA
Ad embargo date	• 02/24/2019
UPC Code	• 193015574700
Country of origin	• China
Tariff number	• 8528510000
Pallet information	<ul style="list-style-type: none"> • Configuration A: Dimensions: 27.56 in x 41.73 in x 83.07 in 700 mm x 1060 mm x 2110 mm Total weight: 464.91 lb / 211.07 kg Layers: 4 Products per layer: 7 Total products per pallet: 28 • Configuration B: Dimensions: 27.56 in x 47.64 in x 83.07 in 700 mm x 1210 mm x 2110 mm Total weight: 530.95 lb / 241.05 kg Layers: 4 Products per layer: 8 Total products per pallet: 32

