

HP 27xq 27-inch Display

144Hz Gaming Display with AMD FreeSync™



A faster way to see the action

Enjoy faster, smoother action thanks to a 144Hz refresh rate and AMD FreeSync™ technology. The Quad HD screen delivers all your entertainment with captivating definition and ultra-sharp details.

Product overview

- **The speed you need:** Ensure even the most action-packed moments are smooth, crisp, and free of motion blur with a 144Hz refresh rate and 1ms response time.⁽³⁾
- **Incredibly smooth:** Experience the difference of fluid, stutter-free gameplay on this ultra-sharp QHD (2560 x 1440) display with AMD FreeSync™ technology.⁽¹⁾⁽⁴⁾
- **Get comfortable:** Enjoy 100 mm of smooth, precise height adjustment so your display is always in the most comfortable position.

Product features

- **144Hz refresh rate:** Get smooth gaming, sharper objects, and cleaner details with a gaming display that refreshes frames 144 times a second – over twice the refresh rate of standard displays.⁽³⁾
- **1ms response time with overdrive:** Eliminates motion blur for crisp, fluid gameplay no matter what's happening on-screen.
- **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.⁽⁴⁾
- **Quad HD display:** Ultra-sharp details and captivating definition with 3.7 million pixels.⁽¹⁾
- **Micro-edge display:** With virtually no bezel encircling the display, an ultra-wide viewing experience provides for seamless multi-monitor set-ups.
- **Height adjustment stand:** Easily adjust your display to the most comfortable position with 100 mm range of travel.
- **TN panel:** Low pixel latency and snappy response times with this TN panel.
- **Ambient lighting:** Diffused lighting to reduce eye fatigue during late-night gaming sessions.
- **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.

Key specifications

- **Viewable image area:** 27-inch display, diagonally measured
- **Aspect ratio:** 16:9
- **Contrast:** Dynamic Ratio 12M:1⁽²⁾
- **Maximum resolution:** 2560 x 1440 @ 144 Hz
- **Connectivity:**
 - 1 x HDMI
 - 1 x DisplayPort
- **Exterior color:** Black

Environmentally conscious

- Energy efficient components such as mercury-free display backlighting, arsenic-free display glass, and recyclable packaging.

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.⁽⁷⁾



Monitor specifications

Panel type	• TN
Visible screen size	• 27-inch (diagonal) with micro-edge bezel
Viewing angle	• Horizontal: 170 degrees • Vertical: 160 degrees
Surface treatment	• Anti-glare
Recommended resolution	• 2560 x 1440 @ 60 Hz
Maximum resolution	• 2560 x 1440 @ 144 Hz
Aspect ratio	• 16:9
Contrast ratio	• 1000:1 static • 12,000,000:1 dynamic ⁽²⁾
Brightness (typical)	• 350 nits ⁽³⁾
Color gamut	• 72% of NTSC
Pixel pitch	• 0.2331 x 0.2331 mm • 109 PPI
Panel active area	• 596.74 x 335.66 mm
Scan range	• Without AMD FreeSync™ Horizontal: 30 to 89 KHz Vertical: 50 to 76 Hz • With AMD FreeSync™ DisplayPort: 223 - 223KHz HDMI: 30 - 223 KHz
Response time	• 1 ms GtG with overdrive ⁽³⁾
Connectivity	• HDMI 2.0 • DisplayPort 1.2 • HDCP support (DisplayPort and HDMI)
Power supply	• Internal
Maximum power consumption	• 40W
Energy saving/standby mode	• 0.5W
Tilt	• -4 to +20 degrees
Pivot	• CW 90°
Swivel	• 360°
Height adjustable base	• 31.39.5 - 131.39 mm
Base area footprint	• 8.24 in x 8.52 in
Detachable base	• yes
VESA mounting	• 100 x 100 VESA mounting compatible
Security lock ready	• yes
Unpackaged dimensions	• 24.16 in (W) x 8.52 in (D) x 20.09 in (H)
Unpackaged weight	• 13.64 lb
Packaged dimensions	• 27.64 in (W) x 7.48 in (D) x 18.23 in (H)
Packaged weight	• 18.1 lb
Audio	• Audio output, analog headphone

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⁽¹⁾ Quad high-definition (QHD) content required to view QHD images. ⁽²⁾ Dynamic Contrast Ratios during video playback only, depending on series of frames or time duration. ⁽³⁾ All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. ⁽⁴⁾ 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. ⁽⁵⁾ 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. ⁽⁶⁾ Warranty may vary by country. See www.hp.com/go/support for details. © Copyright 2018 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 shall be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein. Actual product may vary from image shown 05/16_r1 tg

Low blue light mode	• yes
On screen display	• Brightness, Contrast, Color Control, Input Control, Image Control, Power Control, Menu Control, Management, Information, Language, Exit
Languages	• 10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, Traditional Chinese, and Simplified Chinese)
Certifications	• Microsoft WHQL Certification: Windows 10, Windows 8, Windows 7

Environmental features

LED backlights	• Mercury-free LED backlighting
Backlight lamp life	• 30K hours
Arsenic-free	• Arsenic-free display glass ⁽⁵⁾

Accessories & warranty

What's in the box	• A/C power cable (1.8m) 5.9 ft • HDMI cable (1.8m) 5.9 ft • Product notice • Warranty card • Quick set up poster
Agency approvals	• WW application • CE,CB,KC/KCC/NOM/PSB/ICE/TUV-S/ISO 9241-307/EAC/UL/CSA/PSB/ISC/CCC/CEL/ISC/VCCI/FCC/BSMI/Vietnam MEPS/Australian-New Zealand MEPS/WEEE
Limited warranty	• Protected by a one-year HP limited warranty. Certain restrictions and exclusions apply. ⁽⁷⁾

Additional information

Product number	• 3WL54AA#ABA
Ad embargo date	• 08/26/2018
UPC Code	• 192545258883
Country of origin	• China
Tariff number	• 8528521000
Pallet information	• Dimensions: 44.9 in x 27.6 in x 4.7 in • Total weight: 464.1 lb / 210.5 kg • Layers: 4 • Products per layer: 6 • Total products per pallet: 24

