



HP X27q QHD Gaming Monitor

All play, every play.

Play longer, comfier, and with amazing accuracy on our suite of sweet gaming monitors. We've redefined high definition gaming with IPS Panel Technology, 165Hz, 1ms response time¹, AMD² FreeSync™ Premium³, and more colors than ever before.



Game in comfort

HP Eye Ease with Eyesafe® certification keeps high-energy blue light out and the color accuracy in. Customize your comfort with the adjustable base.



Believing is Seeing

Immerse yourself in even more colors and catch all the action with ultra-wide viewing angles of an IPS display with HDR 400 in Quad HD (2560 x 1440)⁴.



Smooth Moves

Live in the flow of 165 Hz with a super fast 1ms response time¹ and keep your gameplay smooth-as-silk with AMD² FreeSync™ Premium³.



A Display of Responsibility

Monitor made with 85% post-consumer recycled materials and sustainably sourced and recyclable packaging⁵. Doing good never looked so good.

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Featuring

Eyesafe® Certified Display

Eyesafe® certified displays meet TÜV low blue light requirements and Eyesafe® standards for protecting your eyes from harmful blue light without distorting colors to reduce eyestrain when working for long periods of time.

Adjust your view

Adjust your screen's height with pivot and tilt capabilities.

Sustainably Sourced Packaging

HP is innovating new ways to reduce the amount of materials in our packaging and to use more recycled materials in the design.^{5,7}

Step up to the best

IPS technology brings you clear views from almost any angle. Every seat is the best seat in the house.

HDR 400

Brighten your screen with enhanced contrast for a lifelike visual experience.

165Hz refresh rate

Crisp action and incredibly responsive gameplay with virtually no artifacting or screen tearing.¹

AMD FreeSync™ Premium Technology

Game confidently with a high refresh rate, low framerate compensation, and low latency with AMD FreeSync™ Premium Technology.⁷

Console compatibility

Easily connects with your favorite current and next gen gaming consoles – just plug and play.

1-millisecond response time with Overdrive

Eliminates motion blur for crisp, fluid gameplay no matter what's happening on-screen.¹

Moving Picture Response Time

Greatly reduces motion blur for a more fluid visual experience.

OMEN Gaming Hub

OMEN Gaming Hub is your one place for everything to make your gaming experience better. From software enhancements to hardware control, and live services, OGH elevates play in easy and simple way.

QHD Display

Ultra-sharp details and captivating definition with 3.7 million pixels.⁴

Highly accurate color

99% sRGB color space for ideal color reproduction.¹

Off the desk and on the wall

VESA mounts for easy mounting on a wall or arm.⁸

Three-sided micro-edge display

See more of your screen with a three-sided micro-edge display that maximizes your viewing area.

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| | |
|-------------------------------------|--|
| Product number | 2V7U5AS#ABB; #A2N; #ABT; #ABU; #ABV; #ABY; #ACQ; #UUG; #UUZ |
| UPC number | 195161915567 |
| Display size | 68.6 cm (27") |
| Aspect ratio | 16:9 |
| Display type | IPS ¹ |
| Pixel pitch | 0.233 mm |
| Response time | 1ms GTG (with overdrive) ¹ |
| Brightness | 400 nits ¹ |
| Contrast ratio | 1000:1 |
| Display contrast ratio (dynamic) | 10000000:1 |
| Product color | Black |
| Display Color Gamut | 99% sRGB |
| Resolution (maximum) | QHD (2560 x 1440 @ 165 Hz) |
| Resolutions supported | 640 x 480; 720 x 400; 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; 1920 x 1200; 2560 x 1440 |
| Display scan frequency (horizontal) | 30-255 KHz |
| Display scan frequency (vertical) | 55-165 Hz |
| Display features | Pivot rotation; Low blue light mode; Anti-glare; Height adjustable; AMD Freesync™ Premium; Gaming Console Compatible |
| Display Input Type | 1 HDMI 2.0; 1 DisplayPort™ 1.4-in |
| Physical security features | None |
| Energy efficiency | Energy efficiency class: F; On-mode power consumption: 70 W (maximum); Annual energy consumption: 26 kWh; Standby: 0.5 W (standby); Power consumption (on-mode): 70 W (maximum); Power consumption (off-mode): 28 W (typical) |
| Display User Control Options | Exit; Information; Management; Power control; Input control; Menu control; Gaming; Image; Color |
| Webcam | No integrated camera |
| Operating temperature range | 5 to 35°C |
| Operating temperature range | 41 to 95°F |
| Operating humidity range | 20 to 80% non-condensing |
| Ecolabels | CEL Grade 1; |
| Power supply | 100 - 240 VAC, 50/60 Hz |
| VESA mount | 100 mm x 100 mm (bracket not included) |
| Touch-enabled | Not touch-enabled |
| Pixels per inch (ppi) | 109 ppi |
| Panel bit depth | 10 bit (8 bit + FRC) |
| Vertical viewing angle | 178° |
| Horizontal viewing angle | 178° |
| Bezel | 3-sided micro-edge |
| Tilt | -5 to +20° |
| Swivel | No swivel |
| Pivot | +90 |
| Height adjustment range | 100 mm |
| Hardness | 3H |
| Screen treatment | Anti-glare |
| Integrated privacy filter | No |
| Flicker-free | Yes |
| Low blue light | Yes, Eyesafe® Certified |
| Port and Connectors | 1 HDMI 2.0; 1 DisplayPort™ 1.4; 1 x 3.5 mm Audio Jack (Audio Out); No; No |
| Management software | OMEN Gaming Hub |
| Certifications and compliances | BIS; BSMi; CB; CCC; CE; CEL; cTUVus; EAC; FCC; ISC Mark; ISO 9241-307; KC/KCC; NOM; PSB; RCM; TUV-S; VCCI; Vietnam MEPS; WEEE; Mexico Energy; WW application; ICE; UAE; TUV-GS; Ukraine certificates; NRCS of South Africa; Belarus Energy; Eyesafe® Certified |
| What's in the box | Monitor; DisplayPort™ cable; Warranty card; Product notice; AC power cord |
| Dimensions (W x D x H) | 61.35 x 5.05 x 36.63 cm (Without stand.) |
| Weight | 6.3 kg (With stand.) |
| Package dimensions (W x D x H) | 68.8 x 22.5 x 44 cm |
| Package weight | 9.7 kg |

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Messaging Footnotes

¹ All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. Results may vary based on quality of the original picture/photo/video and difference between the previous monitor settings compared to the HP Enhance + mode.

² FreeSync™ Premium is only available when it is connected on Display Port or HDMI. FreeSync is an AMD® technology 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. Mandatory low framerate compensation and at least 120Hz refresh rate, 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 Supports Adaptive-sync with NVIDIA® GeForce® graphics cards and AMD Radeon graphics cards. FreeSync™ certified. Compatible with NVIDIA® GeForce® GTX 10 series, GTX 16 series and newer graphics cards.

⁴ QHD (Quad High Definition) content required to view QHD images.

⁵ Based on HP's internal analysis. Monitor's 85% post-consumer recycled plastic content consists of 5% ocean bound plastic materials by weight. 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers. Plastic cushions are made from >90% recycled plastic. Excludes plastic bags and plastic foam sheeting.

⁶ Fiber cushions made from 100% recycled wood fiber and organic material.

⁷ Requires a monitor and AMD Radeon™ graphics, both with FreeSync™ Premium support. AMD FreeSync™ Premium requires mandatory low framerate compensation and at least 120 Hz refresh rate at minimum FHD. See www.amd.com/freesync for complete details. Confirm capability with your system manufacturer before purchase. GD-161.

⁸ VESA mounting arm or wall mounting assembly sold separately.

Technical Specifications Footnotes

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

