

ProductSheet
HP X27qc QHD Gaming Monitor (32H02AA)



Immersive all play, every play.

Play longer, comfier, and with amazing accuracy on our suite of sweet curved gaming monitors. We've redefined high definition gaming with VA Panel Technology, 165Hz refresh rate, 1ms response time[1], and AMD[2] FreeSync™ Premium[3].



Believing is Seeing

Find more room to play on these VA 1500R curved monitors in Quad HD (2560x1440)[4]. Immerse yourself in even more colors and catch all the action with ultra-wide viewing angles.

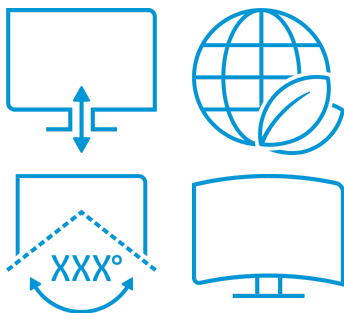
Game in comfort

A curved panel that reduces eye strain and has HP Eye Ease with Eyesafe® certification that keeps high-energy bad blue light out and the color accuracy in. Customize your comfort with the adjustable base.

Smooth Moves

Live in the flow of 165Hz with a super fast 1ms response time[1] with MPRT and keep your gameplay smooth-as-silk with AMD[2] FreeSync™ Premium[3].

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 for comfortable viewing with tilt capability.

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]

VA panel

Get wide, 178-degree viewing angles and better black levels for deep, rich contrast.

1,500R curved display

A dramatic curve delivers an incredibly realistic and immersive gaming experience.

Specifications

Display size (diagonal)	27"
Panel technology	VA
Display size (diagonal)	68.6 cm (27")
Aspect ratio	16:9
Native resolution	QHD (2560 x 1440) ^[1]
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
Pixel pitch	0.2331 mm x 0.2331 mm
Brightness	350 nits ^[1]
Contrast ratio	3000:1
Response time (typical)	1ms MPRT (with overdrive) ^[1]
Minimum dimensions (W x D x H)	61.13 x 8.53 x 36.76 cm (Without stand.)
Minimum dimensions (W x D x H)	24.07 x 3.36 x 14.47 in (Without stand.)
Dimensions With Stand (W x D x H)	61.13 x 21.15 x 51.11 cm
Weight	6.9 kg (With stand.)
Weight	15.2 lb (With stand.)
Display features	Low blue light mode; Anti-glare; 1500R curvature; Height adjustable; AMD Freesync™ Premium; Gaming Console Compatible
Display Input Type	1 HDMI 2.0 (with HDCP support); 1 DisplayPort™ 1.4-in (with HDCP support)
Onscreen controls	Exit; Information; Management; Power control; Input control; Menu control; Gaming; Image; Color
Display scan frequency (horizontal)	30-255 KHz
Display scan frequency (vertical)	55-165 Hz
Webcam	No integrated camera
Power	100 - 240 VAC 50/60 Hz
Power consumption	70 W (maximum), 28 W (typical), 0.5 W (standby)
Operating temperature range	5 to 35°C
Operating humidity range	20 to 80% non-condensing
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
Physical security	Security lock-ready
Management Software	OMEN Gaming Hub
What's in the box	Monitor; DisplayPort™ cable; Warranty card; Product notice; AC power cord

Top Recommended Displays, Accessories and Services

No Top Recommended Displays, Accessories and Services

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] 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers. Plastic cushions are made from >90% recycled plastic.

[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.

Technical Specifications Footnotes

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