



HP X27c FHD Gaming Monitor (32G12AA)

Overview

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 Full HD (1920x1080)[4]. Immerse yourself in even more colors and catch all the action with ultra-wide viewing angles.



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].



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.



A Display of Responsibility

Packaging is sustainably sourced and recyclable[5]. Doing good never looked so good.

Features

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]



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.



165Hz refresh rate

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

[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] Full high-definition (FHD) content required to view FHD 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.

Specifications

Display size (diagonal)	27"
Panel technology	VA
Display size (diagonal)	68.6 cm (27")
Aspect ratio	16:9
Native resolution	FHD (1920 x 1080) ^[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
Pixel pitch	0.3114 mm x 0.3114 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	6.6 kg (With stand.)
Weight	14.6 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)	30-210 KHz
Display scan frequency (vertical)	60-165 Hz
Webcam	No integrated camera
Power	100 - 240 VAC 50/60 Hz
Power consumption	50 W (maximum), 25 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; CECP; CEL; cTUVus; EAC; FCC; ISC Mark; ISO 9241-307; KC/KCC; NOM; PSB; TUV-S (Argentina) IEC60950-1; VCCI; WEEE; California Energy Commission (CEC); Mexico Energy; WW application; ICE; UAE; TUV-GS; Ukraine certificates; NRCS of South Africa; PSE EAC; 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

Additional specifications

Audio port	1 x 3.5 mm Audio Jack (Audio Out)
Backlight type	Edge-lit
Bezel	3-sided micro-edge
Card reader	No
Color gamut	97% sRGB
Curvature	1500R
Detachable stand	Yes
Display area (imperial)	23.49 x 13.22 in
Display area (metric)	59.69 x 33.63 cm
Display contrast ratio (dynamic)	10000000:1
Displayport™	1 DisplayPort™ 1.4
Ethernet	No
Flicker-free	Yes
HDMI	1 HDMI 2.0
Hardness	3H
Hdcp	Yes, DisplayPort™ and HDMI
Height adjustment range	100 mm
Horizontal viewing angle	178°
Integrated privacy filter	No
Low blue light modes	Yes, Eyesafe® Certified
Microphone	No
Non-Operating Humidity Range	5 to 95%
Operating temperature range	41 to 95°F
Package dimensions (W x D x H)	27.2 x 9.84 x 17.32 in
Package dimensions (W x D x H)	68.8 x 22.5 x 44 cm
Package weight	10.5 kg
Package weight	23.1 lb
Panel bit depth	8 bit
Pixels per inch (ppi)	82 ppi
Power supply type	Internal
Product brand name	HP
Product dimensions with stand (W x D x H)	24.07 x 8.33 x 20.12 in
Resolution (maximum)	FHD (1920 x 1080 @ 165 Hz)

Screen treatment	Anti-glare
Speakers	No
Tilt	-5 to +20°
Touch-enabled	Not touch-enabled
VESA mounting	100 mm x 100 mm (bracket not included)
Vertical viewing angle	178°
pivot	No pivot
swivel	No swivel

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

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