

HP X27c FHD Gaming Monitor (32G13AA)



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.



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]



1,500R curved display

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



Adjust your view

Adjust your screen for comfortable viewing with tilt capability.



VA panel

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



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]
Dimensions (W x D x H)	61.13 x 8.53 x 36.76 cm <i>(Without stand.)</i>
Dimensions With Stand (W x D x H)	61.13 x 21.15 x 51.11 cm
Weight	6.6 kg <i>(With stand.)</i>
Display features	Low blue light mode; Anti-glare; 1500R curvature; Height adjustable; AMD Freesync™ Premium; Gaming Console Compatible
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
Camera	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

UPC number

(A2N) 195697574443; (ABB) 195697574450; (ABT) 195697574467; (ABU) 195697574474; (ABV) 195697574481; (ABY) 195697574498; (ACQ) 195697574504; (AH3) 195697574511; (UUG) 195697574528; (UUZ) 195697574535

Manufacturer Warranty

1 year limited warranty.

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
Datasheet photo 1	AHID/80c53eac3b8cfdc3b2575bb7337aa17eab853bd0
Datasheet photo 2	AHID/db00ed4a59e1867707ec9114ae4f2c3d54cebc42
Datasheet photo 3	AHID/71584441b8f84eec3531d08e7c2cf9104fac0ea4
Datasheet photo 4	AHID/a21d2536ef1bb0ef70add4ce98a4ae36f90bba9b
Detachable stand	Yes
Display area (metric)	59.69 x 33.63 cm
Display contrast ratio (dynamic)	10000000:1
DisplayPort™	1 DisplayPort™ 1.4
Energy efficiency class	E
Energy efficiency class external url	https://eprel.ec.europa.eu/screen/product/electronicdisplays/380381
Energy efficiency class label image	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c07758108.png
Energy efficiency class logo	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c07055646.png
Flicker-free	Yes
HDCP	Yes, DisplayPort™ and HDMI
HDMI	1 HDMI 2.0
Hardness	3H
Height adjustment range	100 mm
Horizontal viewing angle	178°
Integrated privacy filter	No
Low blue light	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)	68.8 x 22.5 x 44 cm
Package weight	10.5 kg
Panel bit depth	8 bit

Pixels per inch (ppi)	82 ppi
Power consumption (annual)	21 kWh
Power consumption (off-mode)	25 W (typical)
Power consumption (on-mode)	50 W (maximum)
Power supply type	Internal
Product brand name	HP
Product safety	https://support.hp.com/us-en/document/ish_6126692-6126777-16?openCLC=true
Resolution (maximum)	FHD (1920 x 1080 @ 165 Hz)
Screen treatment	Anti-glare
Speaker type	No
Standby mode power demand	0.5 W (standby)
Tilt	-5 to +20°
Touch-enabled	Not touch-enabled
UNSPSC code	43211902
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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