Datasheet

HP X27c FHD Gaming Monitor

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].

*Product image may differ from actual product

1080p

AMD FreeSync Premium

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.

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].

A Display of Responsibility

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

HP X27c FHD Gaming Monitor

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.

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.

FHD display / 1080p display
Brilliant visuals and unforgettable quality from a stunning FHD display.[4]

Highly accurate color
97% 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.

Datasheet

HP X27c FHD Gaming Monitor

Product number	32G13AA#ABB:; #A2N; #ABT; #ABU; #ABV; #ABY; #ACQ; #UUG; #UUZ
UPC number	(A2N) 195697574443; (ABB) 195697574450; (ABT) 195697574467; (ABU) 195697574474; (ABV) 195697574481; (ABY) 195697574498; (ACQ) 195697574504; (UUG) 195697574528; (UUZ) 195697574535
Display size	68.6 cm (27")
Aspect ratio	16:9
Display type	VA [1]
Pixel pitch	0.3114 mm x 0.3114 mm
Response time	1ms MPRT (with overdrive) [1]
Brightness	350 nits [1]
Contrast ratio	3000:1
Display contrast ratio (dynamic)	10000000:1
Product color	Black
Display Color Gamut	97% sRGB
Resolution (maximum)	FHD (1920 x 1080 @ 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
Display scan frequency (horizontal)	30-210 KHz
Display scan frequency (vertical)	60-165 Hz
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)
Physical security features	Security lock-ready
Energy efficiency	Energy efficiency class: E; On-mode power consumption: 50 W (maximum); Annual energy consumption: 21 kWh; Standby: 0.5 W (standby); Power consumption (on-mode): 50 W (maximum); Power consumption (off-mode): 25 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)	82 ppi
Panel bit depth	8 bit
Vertical viewing angle	178°
Horizontal viewing angle	178°
Bezel	3-sided micro-edge
Tilt	-5 to +20°
Swivel	No swivel
Pivot	No pivot
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
HDCP	Yes, DisplayPort™ and HDMI
Management software	OMEN Gaming Hub
Warranty	1 year limited warranty.
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
What's in the box	Monitor; DisplayPort™ cable; Warranty card; Product notice; AC power cord
Dimensions (L x W x H)	61.13 x 8.53 x 36.76 cm (Without stand.)
Weight	6.6 kg (With stand.)
Package Dimensions (L x W x H)	68.8 x 22.5 x 44 cm
Package weight	10.5 kg

HP X27c FHD Gaming Monitor

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] 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.
[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.

© Copyright 2023 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 herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein. All performance specifications are provided by the component manufacturers. Performance specifications represent the highest specification of all HP's component manufacturers' typical level specifications for performance. Actual performance may vary either higher or lower.

March 2023