Datasheet

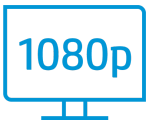
HP X27 FHD Gaming Monitor

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 time[1], AMD[2] FreeSync™ Premium[3], 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 in Full HD (1920 x 1080)[4].



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



A Display of Responsibility
Monitor made with 85% post-consumer recycled materials and sustainably sourced and recyclable packaging[5]. 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.

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

165Hz refresh rate
Crisp action and incredibly responsive gameplay with virtually no artifacting or screen tearing.

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

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.

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.

Highly accurate color
99% sRGB color space for ideal color reproduction.

Off the desk and on the wall
VESA mounts for easy mounting on a wall or arm.

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

[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.

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Display size	68.6 cm (27")
Aspect ratio	16:9
Display type	IPS [1]
Pixel pitch	0.311 mm
Response time	1ms GtG (with overdrive) [1]
Brightness	400 nits [1]
Contrast ratio	1000:1
Product color	Black; 99% 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	Pivot rotation; Low blue light mode; Anti-glare; 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	None
Management software	OMEN Gaming Hub
Energy efficiency	Energy efficiency class: F;
Display User Control Options	Exit; Information; Management; Power control; Input control; Menu control; Gaming; Image; Color
Audio port	1 x 3.5 mm Audio Jack (Audio Out)
Webcam	No integrated camera
Product dimensions	61.35 x 5.05 x 36.63 cm Without stand. 61.35 x 21.15 x 51.24 cm With stand Packed: 68.8 x 22.5 x 44 cm 24.15 x 1.99 x 14.42 in Without stand. 24.15 x 8.33 x 20.17 in With stand Packed: 27.09 x 8.86 x 17.32 in
Weight	6.9 kg; Packed: 10.4 kg 15.2 lb; Packed: 22.93 lb
Operating temperature range	5 to 35°C
Operating temperature range	41 to 95°F
Operating humidity range	20 to 80% non-condensing
Certifications and compliances	Australian-New Zealand MEPS; 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
Power supply	100 - 240 VAC 50/60 Hz
Warranty	2 years limited warranty
What's in the box	Monitor; DisplayPort™ cable; Warranty card; Product notice; AC power cord
VESA mount	100 mm x 100 mm (bracket not included)
Product number	2V6B4E9
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
Swivel	No swivel
Tilt	-5 to +20°
Pivot	+90
Height adjustment range	100 mm
Hardness	3H
Screen treatment	Anti-glare
Touch-enabled	Not touch-enabled
Integrated privacy filter	No
Flicker-free	Yes
Low blue light modes	Yes, Eyesafe® Certified

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

Technical Specifications Footnotes

[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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