

HP X32 QHD 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 time¹, AMD² FreeSync™ Premium³, 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 with HDR 400 in Quad HD (2560 x 1440)⁴.



Smooth Moves

Live in the flow of 165 Hz with a super fast 1ms response time¹ and keep your gameplay smooth-as-silk with AMD² FreeSync™ Premium³.



A Display of Responsibility

Monitor made with 85% post-consumer recycled materials and sustainably sourced and recyclable packaging⁵. 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.^{5,7}

Step up to the best

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

HDR 400

Brighten your screen with enhanced contrast for a lifelike visual 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.

QHD Display

Ultra-sharp details and captivating definition with 3.7 million pixels.⁴

Highly accurate color

99% 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.

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Product number	2V7V4E9#ABB; #A2N; #ABT; #ABU; #ABV; #ABY; #ACQ; #UUG; #UJZ
UPC number	(A2N) 196068981020; (ABB) 196068981037; (UJZ) 196068981044
Display size	80 cm (31.5")
Aspect ratio	16:9
Display type	IPS ¹
Pixel pitch	0.2727 mm x 0.2727 mm
Response time	1ms GtG (with overdrive) ¹
Brightness	400 nits ¹
Contrast ratio	1000:1
Display contrast ratio (dynamic)	100000:1
Product color	Black
Display Color Gamut	99% sRGB
Resolution (maximum)	QHD (2560 x 1440 @ 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; 1920 x 1200; 2560 x 1440
Display scan frequency (horizontal)	30-255 KHz
Display scan frequency (vertical)	55-165 Hz
Display features	Low blue light mode; Anti-glare; Height adjustable; AMD FreeSync™ Premium; Gaming Console Compatible
Display Input Type	1 HDMI 2.0; 1 DisplayPort™ 1.4-in
Physical security features	Security lock-ready
Energy efficiency	Energy efficiency class: G; Annual energy consumption: 33 kWh;
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)	93 ppi
Panel bit depth	8 bit + FRC
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
Management software	OMEN Gaming Hub
Warranty	2 years limited warranty
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
What's in the box	Monitor; DisplayPort™ cable; Warranty card; Product notice; AC power cord
Dimensions (W x D x H)	71.38 x 5.36 x 42.95 cm (Without stand.)
Weight	7.9 kg (With stand.)
Package dimensions (W x D x H)	92.3 x 17 x 52 cm
Package weight	12.8 kg

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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 QHD (Quad High Definition) content required to view QHD 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. Plaster cushions are made from >90% recycled plastic. Excludes plastic bags and plastic foam sheeting.

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

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