



HP X34 WQHD Gaming Monitor (2V7W6AA)



Overview

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.



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].



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 Ultra-Wide Quad HD (3440 x 1440)[4].



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.

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]



HDR 400

Brighten your screen with enhanced contrast for a lifelike visual experience.



Adjust your view

Adjust your screen's height with pivot and tilt capabilities.

IPS

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

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] Ultra-wide quad high-definition (UWQHD) content is required to view UWQHD 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.

[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)	34"
Panel technology	IPS
Display size (diagonal)	86.36 cm (34")
Aspect ratio	21:9
Native resolution	WQHD (3440 x 1440)
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; 2560 x 1440; 3440 x 1440
Pixel pitch	0.233 mm
Brightness	400 nits
Contrast ratio	1000:1
Response time (typical)	1ms GtG (with overdrive)
Minimum dimensions (W x D x H)	81.65 x 5.36 x 36.81 cm (Without stand.)
Minimum dimensions (W x D x H)	32.15 x 2.11 x 14.49 in (Without stand.)
Dimensions With Stand (W x D x H)	81.65 x 23.5 x 51.44 cm
Weight	8 kg (With stand.)
Weight	17.6 lb (With stand.)
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
Onscreen controls	Exit; Information; Management; Power control; Input control; Menu control; Gaming; Image; Color
Display scan frequency (horizontal)	30-255 KHz
Display scan frequency (vertical)	48-165 Hz
Webcam	No integrated camera
Power	100 - 240 VAC 50/60 Hz
Power consumption	90 W (maximum), 45 W (typical), 0.5 W (standby)
Operating temperature range	5 to 35°C
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

Physical security	None
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	99% sRGB
Curvature	Flat
Detachable stand	Yes
Display area (imperial)	31.48 x 13.18 in
Display area (metric)	79.98 x 33.48 cm
Display contrast ratio (dynamic)	100000:1
DisplayPort™	1 DisplayPort™ 1.4
Ethernet	No
Flicker-free	Yes
HDMI	1 HDMI 2.0
Hardness	3H
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)	106.3 x 18.7 x 48 cm
Package dimensions (W x D x H)	41.85 x 7.36 x 18.9 in
Package weight	13.3 kg
Package weight	29.3 lb
Panel bit depth	8 bit
Pixels per inch (ppi)	110 ppi
Power supply type	Internal
Product brand name	HP
Product dimensions with stand (W x D x H)	32.15 x 9.25 x 20.25 in
Resolution (maximum)	WQHD (3440 x 1440 @ 165 Hz)
Screen treatment	Anti-glare

Speakers	No
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

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