OMEN by HP 34 inch WQHD 165Hz Curved Gaming Monitor - OMEN 34c

GET LOST IN THE FUN

There is no better joy than fully escaping into the game. The OMEN by HP 34-inch WQHD 165Hz Curved Gaming Monitor brings the immersion with the ultrawide 1500R curved screen. Quick performance and realistic HDR color let you get lost in the games you love most, while the sleek design looks, sounds, and feels great on your desk.

*Product image may differ from actual product

ULTRA-ESCAPISM

You can't escape… the FUN that comes with this ultrawide, curved display. Venture into the 1500R curve and feel fully immersed in the action. Plus, take in vast virtual landscapes on this 34"diagonal screen with an expansive 21:9 aspect ratio[1].

GOODBYE LAG. HELLO SPEED.

Frame by frame, experience all the action with no distractions. To keep things smooth, this display boasts a fast 165Hz refresh rate to cut motion blur and 1ms GTG response time with Overdrive[1], so every pixel keeps up with you. Leave screen tearing and lag in the dust, thanks to AMD FreeSync™ Premium technology[2].

INDULGE YOURSELF IN THE DETAILS

Escape fully and dive into finely-detailed worlds with the crisp visuals of WQHD resolution[3]. Marvel at the wide array of colors and hues of the 99% sRGB and 90% DCI-P3 color gamut[1]. Even in shadow, easily make out details and shading with HDR and up to 400 nits of brightness[1].

OMEN by HP 34 inch WQHD 165Hz Curved Gaming Monitor - OMEN 34c

Featuring

WQHD Resolution
Give all your entertainment a new level of immersion with impressive 3440 x 1440 resolution. This 34" diagonal curved display surrounds you with 4.9 million pixels for captivating definition and sharp details across a 21:9 aspect ratio.[3]

165Hz refresh rate
Crisp action and responsive gameplay with virtually no artifacting or screen tearing.[1]

1ms GTG Response Time with Overdrive
Eliminates motion blur for crisp, fluid gameplay no matter what's happening on-screen.[1]

HDR
Explore new worlds with richer colors thanks to a peak brightness of 400 nits.[1]

99% sRGB and 90% DCI-P3 color gamut
Get deeper hues and a wide array of colors with 99% sRGB and 90% DCI-P3 for precisely recreated colors so lifelike you get lost in your gameplay.[1]

AMD FreeSync™ Premium Technology
Game confidently with a high refresh rate, low framerate compensation, and low latency.[2]

VESA Certified AdaptiveSync
VESA Certified AdaptiveSync guarantees higher refresh rates and low latency, optimized for gaming.[5]

Plenty of ports
Easily connect your devices with two HDMI 2.0 ports, one DisplayPort™ 1.4, and one 3.5 mm headphone jack.[6]

Integrated Dual 3W Speakers
No headset? No problem. The integrated dual 3W speakers deliver crystal-clear audio.

New Design Unlocked
The new OMEN look blends sophistication and fun to elevate your gaming setup.

1500R Curved Monitor
By bringing the sides of the display even closer, the curved 1500R screen provides an incredibly immersive and realistic gaming experience.

VESA Certified ClearMR 5000
Easily compare the amount of motion blur between VESA Certified ClearMR displays with Clear Motion Ratio (CMR).[7]

Console Compatible
Over 140 test cases to ensure it's compatible with your choice of console.

Adjustable stand
Find comfort while you game with tilt and 100 mm height adjustments.

OMEN Gaming Hub
From software enhancements to hardware control, and live services, OGH elevates play in an easy and simple way.[4]

HP Eye Ease with Eyesafe® Certification
Keep your screentime comfortable with beautiful colors while reducing blue light.

Materials that Matter
Contains 85% post-consumer recycled plastics.[8]

Thoughtful Product Packaging
100% recyclable packaging that can stay out of landfills.[9,10]

Mindful metals
Engineered to contain 10% recycled metals.[11]

Effortless Joypad OSD Button
Easy on-screen display settings with the joypad OSD button.

Integrated Cable Management
Help keep your workspace clean and organized.

OMEN by HP 34 inch WQHD 165Hz Curved Gaming Monitor - OMEN 34c

Specifications

Display specifications

Display size	86.4 cm (34")
Aspect ratio	21:9[1]
Curvature	1500R
Native resolution	WQHD (3440 x 1440)[1,2]
Resolution (maximum)	WQHD (3440 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; 3440 x 1440
Panel type	VA; LCD
Bezel	3-sided borderless
Panel active area	79.72 x 33.37 cm
Panel bit depth	True 8 bit
Display colors	Up to 16.7 million colors supported
Display color gamut	99% sRGB; 90% DCI-P3
HDR Support	HDR 400
Refresh rate (maximum)	165 Hz
Display scan frequency	60-165 Hz (DisplayPort™); 48-100 Hz (HDMI) (Vertical); 30-255 kHz (Horizontal)
Response time	1ms GtG (with overdrive)
Brightness	400 nits[1]
Contrast ratio	3000:1 (Static)[1] 10000000:1 (Dynamic)[1]
Pixel pitch	0.23 x 0.23 mm
Pixels per inch (ppi)	110 ppi
Viewing angle	178° (Vertical) 178° (Horizontal)
Backlight type	Edge-lit
Backlight lamp life	30,000 hours
Display features	On-screen controls; Anti-glare; 1500R curvature; Height adjustable; AMD Freesync™ Premium; Gaming Console Compatible; Integrated speakers; HP Eye Ease (Eyesafe® certified); HDR
Display User Control Options	Management; Information; Exit; Input; Color; Image; Power; Menu; Gaming
Management software	OMEN Gaming Hub[8]
Low blue light modes	Yes, HP Eye Ease (Eyesafe® Certified)
Flicker-free	Yes
Screen treatment	Anti-glare
Hardness	3H
Haze	40%
VESA mount	100 x 100 mm
Adjustability	Height adjustment range: 100 mm Tilt: -5 to +20°
Camera	No integrated camera
Speaker output power	2 x 3 W;

Connectivity and communications

Port and connectors	2 HDMI 2.0 1 DisplayPort™ 1.4 1 x 3.5 mm Audio Jack (Audio Out)
HDCP	Yes, DisplayPort™ and HDMI
Power supply	100 - 240 VAC 50/60 Hz (Internal)

OMEN by HP 34 inch WQHD 165Hz Curved Gaming Monitor - OMEN 34c

Specifications

Appearance

Product color	Black
Stand color	Black
Detachable stand	Yes
Physical security	None
Base area footprint	22.49 x 23.49 cm
Dimensions without Stand (W x D x H)	80.79 x 10.84 x 36.67 cm
Dimensions with stand (W x D x H)	80.79 x 24.33 x 58.4 cm
Weight	10.59 kg
Packaged Dimensions (W x D x H)	91.1 x 22.7 x 46.5 cm
Packaged weight	15.39 kg

Certification and compliance

Energy efficiency class	G A↑G **G**
On mode power demand in Standard Dynamic Range (SDR)	32 W
On mode power demand in High Dynamic Range (HDR) mode	70 W
Standby mode power demand	0.5 W
Sustainable impact specifications	Low Halogen; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; 85% ITE-derived closed loop plastic[3,4,5,6]
Certifications	BIS; BSMI; CB; CCC; CE; CEL; CSA; EAC; FCC; ISO 9241-307; KC/KCC; NOM; PSB; TUV Bauart; TUV LBL; VCCI; WEEE; ISC; California Energy Commission (CEC); WW application; ICE; Ukraine certificates; TÜV Flicker free certified; UAE safety; UAE RoHS; South Africa safety; CEL Grade 2[9]
Microsoft WHQL certification	Windows 11; Windows 10
Environmental	Operating temperature range: 5 to 35°C Operating humidity: 20 to 80% RH Non-operating humidity: 5-95%

Additional information

Part Number	P/N: 780K8AA#ABB:; #A2N; #ABT; #ABU; #ABV; #ABY; #ACQ; #UUG; #UUZ; UPC code: 197029618771
Manufacturer Warranty	1 year limited warranty
What's in the box	Monitor; DisplayPort™ cable; Warranty card; Quick Setup Poster; AC power cord[7]
Country of origin	Made in China

Logistic information

Pallet Dimensions (L x W x H)	114.1 x 91.7 x 200.2 cm
Pallet weight	338 kg
Pallet (layers)	4
Products per layer	5
Products per pallet	20

OMEN by HP 34 inch WQHD 165Hz Curved Gaming Monitor - OMEN 34c

Footnotes

Messaging Footnotes

[1] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary, either higher or lower.

[2] 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.

[3] Ultrawide quad-high definition (WQHD) content required to view WQHD images.

[4] Account required for full functionality. See OMEN Gaming Hub terms and conditions. Support level for non-HP products may be subject to change. Some animation effects may consume more CPU resources.

[5] VESA Certified Adaptive Sync is the high-performance Monitor and Display Compliance Test Specification from VESA specifying display visual performance on variable refresh rate displays. See https://www.adaptivesync.org/ for more details.

[6] AC Power cord and DisplayPort™ cable included. All other cables sold separately.

[7] VESA Certified ClearMR is the high-performance Monitor and Display Compliance Test Specification from VESA that provides a clear numerical value based on the ratio of clear pixels to blurry pixels. See https://www.clearmr.org/ for more details.

[8] Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 EPEAT® standard.

[9] 100% outer box/corrugate cushion packaging made from sustainably sourced certified and recycled fibers. Fiber cushions made from 100% recycled wood fiber and organic material. Any plastic cushions are made from >90% recycled plastic. Excludes plastic bags and plastic foam sheeting.

[10] Recycling facilities not available in all locations.

[11] Recycled metal is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal parts over 25 grams.

Technical Specifications Footnotes

[1] All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

[2] DisplayPort™ 1.4 or HDMI 2.0 required to drive panel at its native resolution. The video card of the connected PC must be capable of supporting 3440 x 1440 at 60 Hz with 8-bit color using one DisplayPort™, HDMI. The video card of the connected PC must be capable of supporting 2560 x 1440 and include one DisplayPort™ or one HDMI outputs to drive the monitor at the Preferred Mode.

[3] External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.

[4] ITE Derived Closed Loop Plastic percentage is based on the definition set in the IEEE 1680.1-2018 standard.

[5] 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.

[6] Molded pulp cushions are made from 100% recycled wood fiber and organic materials.

[7] Included cables may vary by country.

[8] Host PC requires Windows 10. OMEN Gaming Hub is available on the Microsoft store.

[9] Monitors produced from June 2024 comply with China regulation GB 21520-2023.

May 2025

gb-en