

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 ratio¹.



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 Overdrive¹, so every pixel keeps up with you. Leave screen tearing and lag in the dust, thanks to AMD FreeSync™ Premium technology².



INDULGE YOURSELF IN THE DETAILS

Escape fully and dive into finely-detailed worlds with the crisp visuals of WQHD resolution³. Marvel at the wide array of colors and hues of the 99% sRGB and 90% DCI-P3 color gamut¹. Even in shadow, easily make out details and shading with HDR and up to 400 nits of brightness¹.

Sustainability in action

Build for a better tomorrow

Innovating with purpose and intention to drive impactful, positive, lasting change.



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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.



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Specifications

Display specifications

Display size
34"

Display size (diagonal, metric)
86.4 cm (34")

Aspect ratio
21:9¹

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

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 nits¹

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 Hub⁵

Low blue light modes
Yes, HP Eye Ease (Eyesafe® Certified)

Flicker-free
Yes

Screen treatment
Anti-glare

Hardness
3H

Haze
40%

VESA mount
100 mm x 100 mm (bracket included)

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)

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

Logistics and Physical

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 (with stand)

Packaged Dimensions (W x D x H)
91.1 x 22.7 x 46.5 cm

Packaged weight
15.39 kg

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

Certification and compliance

Energy efficiency
G

Environmental 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; TÜV Bauart; TÜV 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 2⁹

Microsoft WHQL certification
Windows 11; Windows 10

Operating temperature range
41 to 95°F

Operating humidity range
20 to 80% RH

Additional information

Part Number
P/N: 780K8AA#ABB; #A2N; #ABT; #ABU; #ABV; #ABY; #ACQ; #UUG; #UUZ
UPC code: 197029618788

Manufacturer Warranty
1 year limited warranty

What's in the box
Monitor; DisplayPort™ cable; Warranty card; Quick Setup Poster; AC power cord⁷

Country of origin
Made in China



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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 16801-2018 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 16801-2018 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.

