OMEN 34 inch WQHD 180Hz Curved Gaming Monitor - OMEN 34c G2

GET LOST IN THE FUN

There is no better joy than fully escaping into the game. The OMEN 34-inch WQHD 180 Hz Curved Gaming Monitor brings the immersion with the ultrawide 1500R curved screen. Quick performance and realistic VESA DisplayHDR™ 400[1] 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

21:9
ULTRA-ESCAPISM
Venture into the 1500R curve and feel immersed on a 34" diagonal screen with a 21:9 aspect ratio.[2] Equipped with dual speakers, an adjustable stand, and OMEN Gaming Hub[3]—a one-stop shop for customizing your ecosystem the way you want.

180Hz
GOODBYE LAG. HELLO SPEED.
Frame by frame, experience all the action with no distractions. To keep things smooth, this display boasts a fast 180 Hz refresh rate to cut motion blur and 1ms MPRT with Overdrive,[2] so every pixel keeps up with you. Leave screen tearing and lag in the dust, thanks to AMD FreeSync™ Premium technology.[4]

HDR
INDULGE YOURSELF IN THE DETAILS
Escape fully and dive into finely-detailed worlds with the crisp visuals of WQHD resolution.[5] Marvel at the wide array of colors and hues of the 99% sRGB and 95% Display P3 Factory Color Calibrated color gamut.[2] Even in shadow, easily make out details and shading with VESA DisplayHDR™ 400[1] and up to 400 nits of brightness.[2]

Sustainability in action

SUSTAINABILITY IN ACTION

It matters. With at least 90% recycled plastic in the enclosure,[6] 20% recycled glass in the monitor panel,[13] and 15% recycled metal in the stand base and VESA plate.[7] we are in this together.[8]

hp | AMD FreeSync Premium | VESA CERTIFIED AdaptiveSync | VESA CERTIFIED ClearMR | eyesafe CERTIFIED 2.0

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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.[5]

180Hz refresh rate
For crisp action and responsive gameplay, this fast refresh rate practically removes all artifacting and motion blurring.[2]

1ms MPRT with Overdrive
How fast your pixels can react to changing frames is critical for fast-paced gaming, and a 1ms MPRT cures even the most action-packed moments are fluid, crisp, and free of motion blur.[2]

VESA DisplayHDR™ 400
Explore new worlds in stunning contrast with VESA DisplayHDR™ 400. With peak brightness of 400 nits and 4000:1 contrast ratio, experience games how the developers intended with brighter whites, deeper blacks, and richer colors.[1,2]

More Colors to Play With
Get deeper hues and a wide array of colors with 99% sRGB and 95% Display P3 Factory Color Calibrated for precisely recreated colors so lifelike you get lost in your gameplay.[2]

AMD FreeSync™ Premium Technology
Every gamer deserves perfectly smooth gameplay and peak performance. Game confidently with a high refresh rate, low framerate compensation, and low latency. AMD FreeSync™ Premium certified monitors are here.[4]

VESA Certified AdaptiveSync
VESA Certified AdaptiveSync guarantees higher refresh rates and low latency, optimized for gaming, plus a lab-certified max refresh rate so you know your display's full potential.[9]

Plenty of ports
Easily connect to your gaming and work PCs, console, and headset with two HDMI 2.0 ports, one DisplayPort™ 1.4, and one 3.5 mm headphone jack.[10]

Integrated Dual 3W Speakers
No headset? No problem. The integrated dual 3W speakers deliver crystal-clear audio without adding additional cables or external speakers to your desk.

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
Clear Motion Ratio (CMR), provides a clear numerical value based on the ratio of clear pixels to blurry pixels, which allows you to easily compare the amount of motion blur between VESA Certified ClearMR displays.[11]

Console Compatible
This gaming monitor underwent over 140 test cases to ensure it's compatible with your choice of console. Just connect the HDMI and get right to playing.

Adjustable stand
Make your desk just how you like it with the adjustable stand. Find comfort while you game with tilt and 100 mm height adjustments.

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, OMEN Gaming Hub elevates play in an easy and simple way.[3]

HP Eye Ease with Eyesafe® Certification
Built right into the display, with no need to adjust settings or worry about a compromised color experience, HP Eye Ease with Eyesafe® Certification provides beautiful color while reducing blue light to keep your screentime comfortable.

Thoughtful Product Packaging
To reduce plastic in landfills, we use 100% recyclable packaging that meets recycling requirements, so it can stay out of the landfill when customers are finished with it.[8,12]

Effortless Joypad OSD Button
In the middle of gameplay, it's never been easier to configure your display settings right from the monitor. Quickly navigate the on-screen menu with the joypad OSD button to adjust brightness, contrast ratio, and color.

Integrated Cable Management
Cord and wire pass-through located on the display stand reduces cord-clutter and helps keep your workspace clean and organized.

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Specifications

Display specifications

Display size	34"
Viewable diagonal size	34.03" (86.43 cm)
Aspect ratio	21:9[1]
Curvature	1500R
Native resolution	WQHD (3440 x 1440)[1,2]
Resolution (maximum)	WQHD (3440 x 1440 @ 180 Hz)[1]
Resolutions supported	640 x 480 @ 60 Hz; 640 x 480 @ 75 Hz; 720 x 400 @ 70 Hz; 800 x 600 @ 60 Hz; 800 x 600 @ 75 Hz; 1024 x 768 @ 60 Hz; 1280 x 720 @ 60 Hz; 1280 x 1024 @ 60 Hz; 1440 x 900 @ 60 Hz; 1600 x 900 @ 60 Hz; 1920 x 1080 @ 50 Hz; 1920 x 1080 @ 60 Hz; 1920 x 1080 @ 100 Hz; 1920 x 1080 @ 120 Hz; 1920 x 1200 @ 60 Hz; 2560 x 1440 @ 120 Hz; 1280 x 1024 @ 75 Hz; 3440 x 1440 @ 60 Hz; 3440 x 1440 @ 100 Hz; 720 x 480 @ 60 Hz; 720 x 576 @ 50 Hz; 1024 x 768 @ 75 Hz; 1280 x 720 @ 50 Hz; 1280 x 720 @ 100 Hz; 1280 x 800 @ 60 Hz; 3840 x 2160 @ 60 Hz (HDMI console only); 3440 x 1440 @ 120 Hz (DisplayPort only); 3440 x 1440 @ 144 Hz (DisplayPort only); 3440 x 1440 @ 165 Hz (DisplayPort only); 3440 x 1440 @ 180 Hz (DisplayPort only)
Panel type	VA; LCD
Bezel	3-sided borderless
Panel active area	31.39 x 13.14 in
Panel bit depth	True 8 bit[1]
Display colors	Up to 16.7 million colors supported[1]
Display color gamut	99% sRGB; 95% Display P3[1]
Calibrated color presets	100% BT.709; 99% sRGB; 95% Display P3
HDR Support	VESA DisplayHDR™ 400
Refresh rate (maximum)	180 Hz[1]
Display scan frequency	50-180 Hz (Vertical)[1]; 30-255 kHz (Horizontal)[1]
Response time	1ms MPRT (with overdrive)[1]
Brightness	400 nits[1]
Contrast ratio	4000:1 (Static)[1] 10,000,000:1 (Dynamic)[1]
Pixel pitch	0.2331 x 0.2331 mm[1]
Viewing angle	178° (Vertical) 178° (Horizontal)
Backlight type	Edge-lit
Backlight lamp life	30,000 hours
Display features	Anti-glare; AMD FreeSync™ Premium; HP Eye Ease (Eyesafe® certified); Height adjustable; Tilt; Factory color calibration; VESA ClearMR 6000 certified; 4K Downscaling for Console HDR Support
Display User Control Options	Brightness+; Color; Image; Input; Audio; Power; Menu; Management; Information; Exit; Contrast; Gaming; Message control; Language
Management software	OMEN Gaming Hub[9]
Low blue light modes	Yes, HP Eye Ease (Eyesafe® Certified)[1]
Flicker-free	Yes
Screen treatment	Anti-glare
Hardness	3H[1]
Haze	40%
VESA mount	100 x 100 mm
Adjustability	Height adjustment range: 100 mm Tilt: -5 to +20°
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)

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Specifications

Appearance

Product color	Black
Stand color	Black
Detachable stand	Yes
Base area footprint	8.85 x 9.25 in
Dimensions without Stand (W x D x H)	31.81 x 4.27 x 14.44 in (without stand)
Dimensions with stand (W x D x H)	31.81 x 9.58 x 22.99 in
Weight	23.77 lb (with stand); 17.68 lb (without stand)
Packaged Dimensions (W x D x H)	35.87 x 8.94 x 18.31 in
Packaged weight	45.01 lb

Certification and compliance

Power consumption	90 W (maximum), 50 W (typical), 0.29 W (standby)
Ecolabels	CEL; Korea MEPS; California CEC
Sustainable impact specifications	Low halogen; At least 15% recycled metal; Contains 20% recycled glass in the monitor panel; 100% of HP paper-based packaging is from recycled or certified sustainable sources; Contains at least 85% post-consumer recycled plastic[4,5,6,7,8]
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; TÜV Flicker free certified; UAE safety; UAE RoHS; South Africa safety; Ukraine safety
Microsoft WHQL certification	Windows 11; Windows 10
Environmental	Operating temperature range: 41 to 95°F Non-operating temperature range -40 to 149°F Operating humidity: 20 to 80% RH (non-condensing) Non-operating humidity: 5 to 95% Operating altitude: Non-operating altitude:

Additional information

Part Number	P/N: AV4C1AA#ABA; UPC code: 198701656043
Ad embargo date	4/20/2025
Manufacturer Warranty	HP standard one-year limited warranty [10]
What's in the box	Monitor; Warranty card; AC power cable; Quick Setup Poster; DisplayPort™ 1.4 cable; Cable holder; Color calibration report[3]

Logistic information

Pallet Dimensions (L x W x H)	Slip sheet: 44.92 x 36.1 x 74.09 in (20 ft, 40 ft), 44.92 x 36.1 x 92.87 in (40 HQ) Pallet: 44.92 x 36.1 x 78.82 in (20 ft, 40 ft), 44.92 x 36.1 x 97.24 in (40 HQ)
Pallet weight	Slip sheet: 892.2 lb (20 ft, 40 ft), 1109.2 lb (40 HQ) Pallet: 932.4 lb (20 ft, 40 ft), 1149.4 lb (40 HQ)
Pallet (layers)	4
Products per layer	5
Products per pallet	20

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Footnotes

Messaging Footnotes

[1] DisplayHDR™ is the high-performance Monitor and Display Compliance Test Specification from VESA specifying HDR (High Dynamic Range) quality. See http://displayhdr.org for more details.
[2] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary, either higher or lower.
[3] 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.
[4] FreeSync™ Premium is an AMD® technology that requires mandatory low framerate compensation and at least 200 Hz refresh rate with <3440 horizontal resolution or at least 120 Hz with ≥3440 horizontal resolution, AMD Radeon Graphics and/or AMD A-Series APU-compliant monitors with DisplayPort/HDMI Adaptive-Sync required. More information is available at www.amd.com/freesync.
[5] Ultrawide quad-high definition (WQHD) content required to view WQHD images.
[6] Recycled plastic is expressed as a percentage of the total weight plastic. Post-consumer recycled is based on the definition set in the EPEAT® standard for computers, IEEE 1680.1-2018 standard.
[7] 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.
[8] Recycling facilities not available in all locations.
[13] Percentage of recycled glass in the monitor panel varies by product. Recycled glass is expressed as a percentage of the total weight of the glass.
[9] 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.
[10] AC Power cord and DisplayPort™ cable included. All other cables sold separately.
[11] 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.
[12] 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.

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.
[3] Included cables may vary by country.
[4] External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.
[5] Recycled plastic is expressed as a percentage of the total weight plastic. Post-consumer recycled is based on the definition set in the EPEAT® standard for computers, IEEE 1680.1-2018 standard.
[6] 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.
[7] HP paper and fiber based packaging for PCs, displays, home and office print, and supplies is reported by suppliers as recycled or certified, with a minimum of 97% by volume verified by HP. Packaging is the box that comes with the product and all paper-based materials inside the box. Packaging for personal systems accessories and spare parts is not included.
[8] Percentage of recycled glass in the monitor panel varies by product. Recycled glass is expressed as a percentage of the total weight of the glass.
[9] Host PC requires Windows 10. OMEN Gaming Hub is available on the Microsoft store.
[10] Warranty may vary by country. See www.HP.com/go/support for details.