



# OMEN 34 inch WQHD 180Hz Curved Gaming Monitor - OMEN 34c G2 (AV4E7AA)

## Overview



### 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.



### 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.



### 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]



### 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]



### 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]

## Features

### 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.<sup>[5]</sup>

### 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.<sup>[2]</sup>

### 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.<sup>[2]</sup>

### 180Hz refresh rate

For crisp action and responsive gameplay, this fast refresh rate practically removes all artifacting and motion blurring.<sup>[2]</sup>

### 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.<sup>[1,2]</sup>

### 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.<sup>[4]</sup>

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[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](http://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.

## Specifications

<b>Color</b>	Black
<b>Display size (diagonal)</b>	34"
<b>Panel technology</b>	VA; LCD
<b>Display size (diagonal)</b>	86.4 cm (34")
<b>Aspect ratio</b>	21:9 <sup>[1]</sup>
<b>Native resolution</b>	WQHD (3440 x 1440) <sup>[1,2]</sup>
<b>Resolutions supported</b>	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)
<b>Pixel pitch</b>	0.2331 x 0.2331 mm <sup>[1]</sup>
<b>Brightness</b>	400 nits <sup>[1]</sup>
<b>Contrast ratio</b>	4000:1 <sup>[1]</sup>
<b>Response time (typical)</b>	1ms MPRT (with overdrive) <sup>[1]</sup>
<b>Dimensions (W x D x H)</b>	80.79 x 10.84 x 36.67 cm (without stand)
<b>Dimensions (W x D x H)</b>	31.81 x 4.27 x 14.44 in (without stand)
<b>Dimensions With Stand (W x D x H)</b>	80.79 x 24.33 x 58.4 cm
<b>Weight</b>	10.78 kg (with stand); 8.02 kg (without stand)
<b>Weight</b>	23.77 lb (with stand); 17.68 lb (without stand)
<b>Display features</b>	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
<b>Onscreen controls</b>	Brightness+; Color; Image; Input; Audio; Power; Menu; Management; Information; Exit; Contrast; Gaming; Message control; Language
<b>Display colors</b>	Up to 16.7 million colors supported <sup>[1]</sup>
<b>Display scan frequency (horizontal)</b>	30-255 kHz <sup>[1]</sup>
<b>Display scan frequency (vertical)</b>	50-180 Hz <sup>[1]</sup>
<b>Power</b>	100 - 240 VAC 50/60 Hz
<b>Power consumption</b>	90 W (maximum), 50 W (typical), 0.29 W (standby)
<b>Operating temperature range</b>	5 to 35°C
<b>Operating humidity range</b>	20 to 80% RH (non-condensing)
<b>Sustainable impact specifications</b>	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
<b>Certifications and compliances</b>	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
<b>Management Software</b>	OMEN Gaming Hub
<b>UPC number</b>	(A2K) 198701652595; (AB0) 198701652618; (AB1) 198701652649; (AB2) 198701652656; (AB4) 198701652687; (ABG) 198701652694; (ABJ) 4582712540112; (ACJ) 198701652731; (AKL) 198701652762; (AR6) 198701652786; (UUF) 198701652816
<b>Manufacturer Warranty</b>	HP standard one-year limited warranty

**What's in the box**

Monitor; Warranty card; AC power cable; Quick Setup Poster; DisplayPort™ 1.4 cable; Cable holder; Color calibration report<sup>[3]</sup>

## Additional specifications

<b>Audio port</b>	1 x 3.5 mm Audio Jack (Audio Out)
<b>Backlight lamp life</b>	30,000 hours
<b>Backlight type</b>	Edge-lit
<b>Base area footprint (imperial)</b>	8.85 x 9.25 in
<b>Base area footprint (metric)</b>	22.49 x 23.49 cm
<b>Bezel</b>	3-sided borderless
<b>Color gamut</b>	99% sRGB; 95% Display P3 <sup>[1]</sup>
<b>Curvature</b>	1500R
<b>Datasheet photo 1</b>	<a href="https://prism-pui-int.inc.hp.com/pro/PRO.Crystal.1/DAMHandler/Accessories/Bayonetta_Fighters_34_Jetblack_CoreSet_Scrn_Front.png">https://prism-pui-int.inc.hp.com/pro/PRO.Crystal.1/DAMHandler/Accessories/Bayonetta_Fighters_34_Jetblack_CoreSet_Scrn_Front.png</a>
<b>Datasheet photo 2</b>	<a href="https://prism-pui-int.inc.hp.com/pro/PRO.Crystal.1/DAMHandler/Accessories/Bayonetta_Fighters_34_Jetblack_CoreSet_Scrn_FrontRight.png">https://prism-pui-int.inc.hp.com/pro/PRO.Crystal.1/DAMHandler/Accessories/Bayonetta_Fighters_34_Jetblack_CoreSet_Scrn_FrontRight.png</a>
<b>Datasheet photo 3</b>	<a href="https://prism-pui-int.inc.hp.com/pro/PRO.Crystal.1/DAMHandler/Accessories/Bayonetta_Fighters_34_Jetblack_CoreSet_Rear.png">https://prism-pui-int.inc.hp.com/pro/PRO.Crystal.1/DAMHandler/Accessories/Bayonetta_Fighters_34_Jetblack_CoreSet_Rear.png</a>
<b>Datasheet photo 4</b>	<a href="https://prism-pui-int.inc.hp.com/pro/PRO.Crystal.1/DAMHandler/Accessories/Bayonetta_Fighters_34_Jetblack_CoreSet_LeftProfile.png">https://prism-pui-int.inc.hp.com/pro/PRO.Crystal.1/DAMHandler/Accessories/Bayonetta_Fighters_34_Jetblack_CoreSet_LeftProfile.png</a>
<b>Detachable stand</b>	Yes
<b>Display area (imperial)</b>	31.39 x 13.14 in
<b>Display area (metric)</b>	79.72 x 33.37 cm
<b>Display contrast ratio (dynamic)</b>	10,000,000:1
<b>DisplayPort™</b>	1 DisplayPort™ 1.4
<b>Ecolabels</b>	CEL; Korea MEPS; California CEC
<b>Flicker-free</b>	Yes
<b>HDCP</b>	Yes, DisplayPort™ and HDMI
<b>HDMI</b>	2 HDMI 2.0
<b>HDR</b>	VESA DisplayHDR™ 400
<b>Hardness</b>	3H <sup>[1]</sup>
<b>Haze</b>	40%
<b>Height adjustment range</b>	100 mm
<b>Horizontal viewing angle</b>	178°
<b>Low blue light</b>	Yes, HP Eye Ease (Eyesafe® Certified) <sup>[1]</sup>
<b>Non-Operating Humidity Range</b>	5 to 95%

<b>Non-operating temperature - Celsius</b>	-40 to 65°C
<b>Non-operating temperature - fahrenheit</b>	-40 to 149°F
<b>Operating altitude</b>	Up to 16,400 ft
<b>Operating altitude</b>	Up to 5,000 m
<b>Operating temperature range</b>	41 to 95°F
<b>Package dimensions (W x D x H)</b>	35.87 x 8.94 x 18.31 in
<b>Package dimensions (W x D x H)</b>	91.1 x 22.7 x 46.5 cm
<b>Package weight</b>	45.01 lb
<b>Package weight</b>	16.8 kg
<b>Pallet (layers)</b>	Slip Sheet: 4 layers (20 ft, 40 ft), 5 layers (40 ft HQ); Pallet: 4 layers (20 ft, 40 ft), 5 layers (40 ft HQ)
<b>Pallet dimensions</b>	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)
<b>Pallet dimensions (W x D x H)</b>	Slip sheet: 114.1 x 91.7 x 188.2 cm (20 ft, 40 ft), 114.1 x 91.7 x 235.9 cm (40 HQ); Pallet: 114.1 x 91.7 x 200.2 cm (20 ft, 40 ft), 114.1 x 91.7 x 247 cm (40 HQ)
<b>Pallet weight</b>	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)
<b>Pallet weight</b>	Slip sheet: 333 kg (20 ft, 40 ft), 414 kg (40 HQ); Pallet: 348 kg (20 ft, 40 ft), 429 kg (40 HQ)
<b>Panel bit depth</b>	True 8 bit <sup>[1]</sup>
<b>Pixels per inch (ppi)</b>	110 ppi <sup>[1]</sup>
<b>Power supply type</b>	Internal
<b>Product brand name</b>	HP
<b>Product color</b>	Black
<b>Product dimensions with stand (W x D x H)</b>	31.81 x 9.58 x 22.99 in
<b>Products per pallet</b>	Slip sheet: 20 (20 ft, 40 ft), 25 (40 ft HQ); Pallet: 20 (20 ft, 40 ft), 25 (40 ft HQ)
<b>Products per pallet layer</b>	Slip sheet and Pallet: 5
<b>Refresh rate (maximum)</b>	180 Hz
<b>Resolution (maximum)</b>	WQHD (3440 x 1440 @ 180 Hz) <sup>[1]</sup>
<b>Screen treatment</b>	Anti-glare

<b>Speaker output power</b>	2 x 3 W
<b>Stand color</b>	Black
<b>Stand type</b>	Base stand; With stand; Height adjustable stand
<b>Storage altitude</b>	Up to 12,192 m
<b>Storage altitude</b>	Up to 40,000 ft
<b>Technology logo 1</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c09121478.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c09121478.png</a>
<b>Technology logo 2</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08610272.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08610272.png</a>
<b>Technology logo 3</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08610275.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08610275.png</a>
<b>Technology logo 4</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08829160.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08829160.png</a>
<b>Tilt</b>	-5 to +20°
<b>UNSPSC code</b>	43211902
<b>VESA mounting</b>	100 x 100 mm
<b>Vertical viewing angle</b>	178°
<b>Viewable diagonal size</b>	34.03" (86.43 cm)

[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.

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