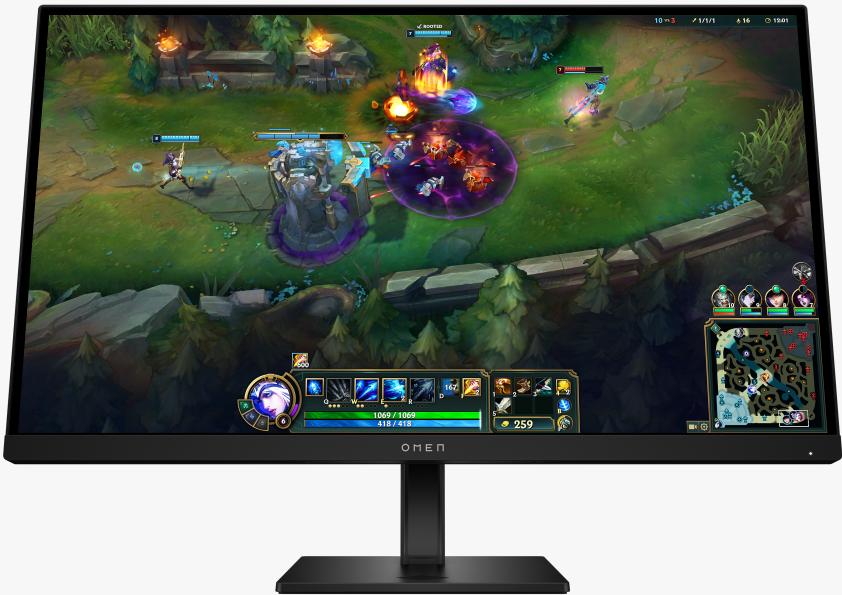


OMEN 27 inch FHD 180Hz Gaming Monitor - OMEN 27 G2

TAKE YOUR FUN UP A NOTCH

Reach new possibilities with the OMEN 27-inch FHD 180 Hz Gaming Monitor. Quick performance and vibrant color let you get lost in the games you love most, while the sleek design functions to look and feel great on your desk.



*Product image may differ from actual product



NO LAG. ALL SPEED.

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



SEE A WORLD YOU CAN STEP INTO

Mistake virtual for IRL while you explore your favorite worlds with the crisp visuals of FHD resolution.³ For lifelike gameplay, escape into a wide array of vibrant colors, hues, and shades with the 95% Display P3 factory color calibrated color gamut.¹ Even in shadow, easily make out details and shading with HDR 400 and up to 400 nits of brightness.¹



ALL YOUR FUN, CUSTOM

The OMEN look blends sophistication and fun with easy cable management, the adjustable stand, and ports for your PC and console. You can customize your ecosystem with OMEN Gaming Hub⁴ that enhances your play in an easy and simple way.

Sustainability in action

SUSTAINABILITY IN ACTION

It matters. With at least 90% recycled plastic in the enclosure,⁵ 20% recycled glass in the monitor panel,¹³ and 5% recycled metal in the stand base and VESA plate,⁶ we are in this together.⁷



CERTIFIED 2.0

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Featuring



FHD Resolution

Focus on the finer details and enjoy clear images with the 1920 x 1080 Full HD resolution on this 27" diagonal monitor.³

180 Hz refresh rate

For crisp action and responsive gameplay, this fast refresh rate practically removes all artifacting and motion blurring.¹

HDR 400

Explore new worlds in stunning contrast with HDR 400. With peak brightness of 400 nits, experience games how the developers intended with brighter whites, deeper blacks, and richer colors.^{1,8}

More Colors to Play With

Get deeper hues and a wide array of colors with 95% Display P3 factory color calibrated for precisely recreated colors so lifelike you get lost in your gameplay.¹

1ms GTG Response Time with Overdrive

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

AMD FreeSync™ 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™ certified monitors are here.²

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 3.5mm headphone jack.¹⁰

Design Unlocked

Made to impress in and out of game, the OMEN look blends sophistication and fun to elevate what a gaming setup can look like.

IPS Technology

No matter where you stand, IPS panel technology delivers clear, vivid images. IPS technology ensures image accuracy and consistency across ultrawide 178-degree viewing angles, so you can get lost in your gameplay from any angle.

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.

Fully adjustable stand

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

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.

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.⁴

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.^{7,12}

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
27"

Viewable diagonal size
26.96" (68.47 cm)

Aspect ratio
16:9¹

Curvature
Flat

Native resolution
FHD (1920 x 1080)^{1,2}

Resolution (maximum)
FHD (1920 x 1080 @ 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; 1680 x 1050 @ 60 Hz; 1920 x 1080 @ 50 Hz; 1920 x 1080 @ 60 Hz; 1920 x 1080 @ 100 Hz; 1920 x 1080 @ 120 Hz; 1280 x 1024 @ 75 Hz; 720 x 480 @ 60 Hz; 720 x 576 @ 50 Hz; 1024 x 768 @ 75 Hz; 1280 x 800 @ 60 Hz; 1920 x 1080 @ 165 Hz; 1920 x 1080 @ 180 Hz (DisplayPort only); 1920 x 1080 @ 144 Hz; 3840 x 2160 @ 60 Hz (HDMI console only)

Panel type
IPS; LCD

Bezel
3-sided borderless

Panel bit depth
True 8 bit¹

Display colors
Up to 16.7 million colors supported¹

Display color gamut
95% Display P3¹

Calibrated color presets
100% BT.709; 95% Display P3

HDR Support
HDR 400

Refresh rate (maximum)
180 Hz¹

Display scan frequency
50-180 Hz (Vertical)¹ 30-215 kHz (Horizontal)¹

Response time
1ms GtG (with overdrive)¹

Brightness
400 nits¹

Contrast ratio
1000:1 (Static)¹ 10,000,000:1 (Dynamic)¹

Pixel pitch
0.3108 x 0.3108 mm

Pixels per inch (ppi)
82 ppi¹

Viewing angle
178° (Vertical) 178° (Horizontal)

Backlight type
Edge-lit

Backlight lamp life
30,000 hours

Display features
AMD FreeSync™; Anti-glare; HP Eye Ease (Eyesafe® certified); Height adjustable; Pivot; Tilt; Factory color calibration; 4K Downscaling for Console HDR Support; VESA ClearMR 5000 certified

Display User Control Options
Brightness+; Color; Image; Input; Power; Menu; Management; Information; Exit; Contrast; Gaming; Message control; Language

Management software
OMEN Gaming Hub⁹

Low blue light modes
Yes, HP Eye Ease (Eyesafe® Certified)¹

Flicker-free
Yes

Screen treatment
Anti-glare

Hardness
3H¹

Haze
25%

VESA mount
100 x 100 mm

Height adjustment range
100 mm

Tilt
-5 to +20°

Pivot
±90°

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)

Power consumption
52 W (maximum), 25 W (typical), 0.29 W (standby)

Logistics and Physical

Product color
Black

Stand color
Black

Detachable stand
Yes

Base area footprint
8.46 x 8.26 in

Dimensions without Stand (W x D x H)
24.16 x 2.06 x 14.34 in (without stand)

Dimensions with stand (W x D x H)
24.16 x 8.79 x 20.62 in

Weight
17.75 lb (with stand); 13.25 lb (without stand)

Packaged Dimensions (W x D x H)
27.52 x 6.3 x 17.56 in

Packaged weight
24.89 lb

Pallet (layers)
4

Products per layer
7

Products per pallet
28

Certification and compliance

Ecolabels
CEL; Korea MEPS; California CEC

Environmental specifications
Low halogen; 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; At least 5% recycled metal^{4,5,6,7,8}

Certifications
BIS; BSMI; CB; CCC; CE; CEL; CSA; EAC; FCC; ISO 9241-307; KC/KCC; NOM; PSB; TÜV Bauart; TÜV LBL; VCCI; WEEE; California Energy Commission (CEC); PSBISC; WW application; ICE; TÜV Flicker free certified; UAE safety; UAE RoHS; South Africa safety; Ukraine safety

Microsoft WHQL certification
Windows 11; Windows 10

Operating temperature range
41 to 95°F

Non-operating temperature range
-40 to 65°C -40 to 149°F

Operating altitude
Up to 16,400 ft

Non-operating altitude
Up to 40,000 ft

Operating humidity range
20 to 80% RH (non-condensing)

Non-operating humidity range
5 to 95%

Additional information

Part Number
P/N: AV4K1AA#ABA
UPC code: 198701662129

Ad embargo date
5/4/2025

Manufacturer Warranty
HP standard one-year limited warranty¹⁰

What's in the box
Monitor; Warranty card; AC power cable; Quick Setup Poster; DisplayPort™ 1.4 cable; Cable holder; Base stand; Color calibration report³



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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 FreeSync™ is an AMD® technology that requires mandatory low framerate compensation and at least 144 Hz refresh rate 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.

³ Full high-definition (FHD) content required to view FHD 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 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 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.

⁸ 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.

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 1920 x 1080 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.

