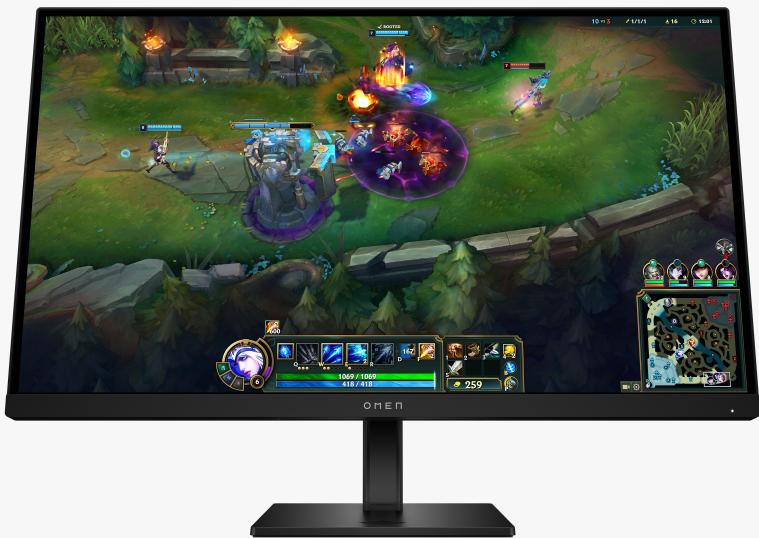# OMEN 27 inch FHD 180Hz Gaming Monitor - OMEN 27 G2

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

180Hz

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]

HDR

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 Hub[4] 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]

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

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.

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

Specifications

Display specifications

Display size	68.6 cm (27")
Viewable diagonal size	26.96" (68.47 cm)
Aspect ratio	16:9[1]
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 active area	59.67 x 33.57 cm
Panel bit depth	True 8 bit[1]
Display colors	Up to 16.7 million colors supported[1]
Display color gamut	95% Display P3[1]
Calibrated color presets	100% BT.709; 95% Display P3
HDR Support	HDR 400
Refresh rate (maximum)	180 Hz[1]
Display scan frequency	50-180 Hz (Vertical)[1]; 30-215 kHz (Horizontal)[1]
Response time	1ms GtG (with overdrive)[1]
Brightness	400 nits[1]
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 ppi
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 Hub[9]
Low blue light modes	Yes, HP Eye Ease (Eyesafe® Certified)[1]
Flicker-free	Yes
Screen treatment	Anti-glare
Hardness	3H[1]
Haze	25%
VESA mount	100 x 100 mm
Adjustability	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)

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

Specifications

Appearance

Product color	Black
Stand color	Black
Detachable stand	Yes
Base area footprint	21.49 x 20.99 cm
Dimensions without Stand (W x D x H)	61.36 x 5.22 x 36.43 cm (without stand)
Dimensions with stand (W x D x H)	61.36 x 22.33 x 52.37 cm
Weight	8.05 kg (with stand); 6.01 kg (without stand)
Packaged Dimensions (W x D x H)	69.9 x 16 x 44.6 cm
Packaged weight	11.29 kg

Certification and compliance

Energy efficiency class	E A to G E
On mode power demand in Standard Dynamic Range (SDR)	19 W
On mode power demand in High Dynamic Range (HDR) mode	45 W
Standby mode power demand	0.3 W
Ecolabels	CEL; Korea MEPS; California CEC
Sustainable impact 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; TUV Bauart; TUV 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
Environmental	Operating temperature range: 5 to 35°C Non-operating temperature range 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: AV4K1E9#ABB:; #A2N; #ABT; #ABU; #ABV; #ABY; #ACQ; #UUG; #UUZ; UPC code: 198701662273
Manufacturer Warranty	HP two-year limited warranty
Support service included	HP 2 Year Pickup and Return Service for Consumer Monitors. For terms and conditions, please visit https://h20195.www2.hp.com/v2/GetPDF.aspx/4AA3-8281EEE & https://www8.hp.com/h20195/v2/getpdf.aspx/4AA5-7123EEGB.pdf
What's in the box	Monitor; Warranty card; AC power cable; Quick Setup Poster; DisplayPort™ 1.4 cable; Cable holder; Base stand; Color calibration report[3]

Logistic information

Pallet Dimensions (L x W x H)	Slip sheet: 113 x 70.9 x 225.5 cm (20 ft, 40 ft, 40 HQ) Pallet: 113 x 70.9 x 192.6 cm (20 ft, 40 ft), 113 x 70.9 x 237.5 cm (40 HQ)
Pallet weight	Slip sheet: 395.15 kg (20 ft, 40 ft, 40 HQ) Pallet: 328.12 kg (20 ft, 40 ft), 407.15 kg (40 HQ)
Pallet (layers)	Slip sheet: 5 layers; Pallet: 4 layers (20' ft, 40' ft), 5 layers (40' HQ)
Products per layer	Pallet and Slip sheet: 7
Products per pallet	Slip sheet: 35; Pallet: 28 (20 ft, 40 ft); 35 (HQ)

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

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.

May 2025

—
gb-en