



OMEN by HP 27 inch FHD 240Hz Gaming Monitor - OMEN 27s

SPEED RUN THROUGH FUN

Outclass the competition with the OMEN by HP 27-inch FHD 240Hz Gaming Monitor. Delivering ultra-smooth frames and crisp details¹, this NVIDIA® G-SYNC® compatible display has what it takes to keep up with you. Speed meets looks with a fun, yet refined design unlike any other so you can enjoy it in and out of the game.



*Product image may differ from actual product

240HZ



APPROACHING MAXIMUM FUN

Frame by frame, experience buttery smooth action with no distraction. Boasting a lightning-fast 240Hz refresh rate and 1ms GTG response time with Overdrive¹, this gaming monitor cuts motion blur, so you're acting not reacting. Leave screen tearing and lag in the dust, thanks to NVIDIA® G-SYNC® compatibility.

IT'S LIKE YOU'RE REALLY THERE

Escape fully and dive into detailed worlds with the crisp visuals of FHD resolution². Marvel at the wide array of dazzling colors and hues of the 99% sRGB and 95% DCI-P3 color gamut¹. Even in shadows, easily make out details and shading with VESA DisplayHDR™ 400³.

GET PLUGGED IN

Know you're equipped for your devices—gaming and otherwise—with two HDMI 2.0, one DisplayPort™ 1.4, and two USB-A 3.2 ports⁴. Make switching from PC to console a breeze when you directly connect your mouse & keyboard to the monitor thanks to the USB hub. Oh, did we mention the effortless cable management?

REFINE YOUR PLAY SPACE

Made to impress in and out of game, the new OMEN look blends sophistication and fun to elevate what a gaming setup can look like. Through aRGB lighting, integrated dual speakers, and an adjustable stand, make your play space just how you like it.

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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.²

240Hz Refresh Rate

When every moment counts, a lightning-fast 240Hz refresh rate practically removes all artifacting and motion blurring for gameplay that's incredibly crisp and responsive.¹

1ms GTG Response Time with Overdrive

Eliminates motion blur for crisp, fluid gameplay no matter what's happening on-screen.¹

NVIDIA® G-SYNC® Compatible

NVIDIA® G-SYNC® technology delivers gameplay that's sharp, fluid, and stutter-free with minimal input lag.

VESA DisplayHDR™ 400

See details even in shadow and replicate reality on your screen with enhanced contrast.³

AMD FreeSync™ Premium Technology

Game confidently with a high refresh rate, low framerate compensation, and low latency.⁶

VESA Certified AdaptiveSync

VESA Certified AdaptiveSync guarantees higher refresh rates and low latency, optimized for gaming.⁷

More Colors to Play With

Get deeper hues and more accurate colors with 99% sRGB and 95% DCI-P3 that precisely recreates colors so lifelike you will get lost in your gameplay.¹

aRGB Lighting

Customize with 16.8 millions colors to fit you.⁵

Plenty of ports

Easily connect your devices with two HDMI 2.0 ports, one DisplayPort™ 1.4, USB hub, two USB-A 3.2 ports, and 3.5 mm headphone jack.⁴

IPS Technology

Image accuracy and consistency across wide 178-degree viewing angles, no matter where you stand.

New Design Unlocked

The new OMEN look blends sophistication and fun to elevate your gaming setup.

VESA Certified ClearMR 6000

Easily compare the amount of motion blur between VESA Certified ClearMR displays with Clear Motion Ratio (CMR).⁸

Integrated Dual 3W Speakers

No headset? No problem. The integrated dual 3W speakers deliver crystal-clear audio.

OMEN Light Studio

Customize your aRGB lighting with custom animations, color themes and integrate into your entire ecosystem with OMEN Light Studio.⁵

Console Compatible

Over 140 test cases to ensure it's compatible with your choice of console.

Fully adjustable stand

Find comfort while you game with tilt, pivot, 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.⁵

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.⁹

Mindful metals

Engineered to contain 10% recycled metals.¹⁰

Effortless Joypad OSD Button

Easy on-screen display settings with the joypad OSD button.

Integrated Cable Management

Help keep your workspace clean and organized.

Thoughtful Product Packaging

100% recyclable packaging that can stay out of landfills.^{11,12}

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Product number	780G5AS#ABB; #AZN; #ABT; #ABU; #ABV; #ABY; #ACC; #UUG; #UUZ
UPC number	197029615671
Display size	68.6 cm (27")
Display colors	Up to 16.7 million colors supported
Aspect ratio	16:9 ¹
Display type	IPS
Pixel pitch	0.31 x 0.31 mm
Response time	1ms GTG (with overdrive)
Brightness	400 nits ¹
Contrast ratio	1000:1 ¹
Display contrast ratio (dynamic)	10000000:1
Product color	Black
Display color gamut	99% sRGB; 95% DCI-P3
Resolution (maximum)	FHD (1920 x 1080 @ 240 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
Display scan frequency (horizontal)	30-391 kHz
Display scan frequency (vertical)	60-240 Hz (DisplayPort™); 60-200 Hz (HDMI)
Display features	On-screen controls; Pivot rotation; Anti-glare; Height adjustable; AMD Freesync™ Premium; Gaming Console Compatible; Integrated speakers; HP Eye Ease (Eyesafe® certified); HDR; NVIDIA® G-SYNC® Compatible; VESA Certified AdaptiveSync
Physical security features	None
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}
Energy efficiency	Energy efficiency class: E; On-mode power consumption: 92 W (maximum); Annual energy consumption: 21 kWh; Standby: 0.5 W (standby); Power consumption (on-mode): 92 W (maximum); Power consumption (off-mode): 46 W (typical)
Display User Control Options	Management; Information; Input; Color; Image; Menu; Gaming; Audio; External Lighting
Webcam	No integrated camera
Operating temperature range	5 to 35°C
Operating temperature range	41 to 95°F
Operating humidity range	20 to 80% RH
Power supply	100 - 240 VAC, 50/60 Hz
Speaker output power	2 x 3 W
VESA mount	100 mm x 100 mm (bracket included)
Pixels per inch (ppi)	82 ppi
Panel bit depth	True 8 bit
Vertical viewing angle	178°
Horizontal viewing angle	178°
Bezel	3-sided borderless
Tilt	-5 to +20°
Pivot	±90°
Height adjustment range	100 mm
Hardness	3H
Screen treatment	Anti-glare
Flicker-free	Yes
Low blue light	Yes, HP Eye Ease (Eyesafe® Certified)
Port and connectors	2 HDMI 2.0; 1 DisplayPort™ 1.4; 2 SuperSpeed USB Type-A 5Gbps signaling rate; 1 x 3.5 mm Audio Jack (Audio Out); 1 USB-B
HDCP	Yes, DisplayPort™ and HDMI
Management software	OMEN Gaming Hub; OMEN Lighting Studio ⁸
Warranty	1 year limited warranty
Certifications and compliances	Australian-New Zealand MEPS; BIS; BSMI; CB; CCC; CE; CEL; CSA; EAC; FCC; ISO 9241-307; KC/KCC; NOM; PSB; TÜV Baurat; TÜV LBL; VCCI; Vietnam MEPS; WEEE; ISC; California Energy Commission (CEC); WW application; ICE; Ukraine certificates; TÜV Flicker free certified; UAE safety; UAE RoHS; South Africa safety; Microsoft WHQL Certification (Windows 11 and Windows 10)
What's in the box	Monitor; DisplayPort™ cable; Warranty card; USB Type-A to B cable; Quick Setup Poster; AC power cord ⁷
Country of origin	Made in China
Dimensions (W x D x H)	61.36 x 5.22 x 36.43 cm (without stand)
Weight	8.68 kg (with stand)
Package dimensions (W x D x H)	69.9 x 16 x 44.6 cm
Package weight	11.79 kg
Pallet (layers)	4
Products per layer	7
Products per pallet	28
Pallet dimensions	113 x 70.9 x 192.6 cm
Pallet weight	340.12 kg
Base area footprint	21.49 x 20.99 cm

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

³ 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.

⁴ AC power cord, DisplayPort™, and USB-B to A cables included. All others sold separately.

⁵ 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.

⁶ 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.

⁷ 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.

⁸ 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.

⁹ Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 EPEAT® standard.

¹⁰ 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.

¹¹ 100% 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.

¹² Recycling facilities not available in all locations.

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. The video card of the connected PC must be capable of supporting 1920 x 1080 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 1680.1-2018 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.

