



# 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 details<sup>1</sup>, 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 Overdrive<sup>1</sup>, 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 resolution<sup>2</sup>. Marvel at the wide array of dazzling colors and hues of the 99% sRGB and 95% DCI-P3 color gamut<sup>1</sup>. Even in shadows, easily make out details and shading with VESA DisplayHDR™ 400<sup>3</sup>.

### 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 ports<sup>4</sup>. 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.<sup>2</sup>

### 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.<sup>1</sup>

### 1ms GTG Response Time with Overdrive

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

### 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.<sup>3</sup>

### AMD FreeSync™ Premium Technology

Game confidently with a high refresh rate, low framerate compensation, and low latency.<sup>6</sup>

### VESA Certified AdaptiveSync

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

### 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.<sup>1</sup>

### aRGB Lighting

Customize with 16.8 millions colors to fit you.<sup>5</sup>

### 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.<sup>4</sup>

### 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).<sup>8</sup>

### 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.<sup>5</sup>

### 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.<sup>5</sup>

### 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.<sup>9</sup>

### Mindful metals

Engineered to contain 10% recycled metals.<sup>10</sup>

### 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.<sup>11,12</sup>

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Product number	780G5E9#ABB; #AZN; #ABT; #ABU; #ABV; #ABY; #ACC; #UUJ; #UUZ
UPC number	197029615725
Display size	68.6 cm (27")
Display colors	Up to 16.7 million colors supported
Aspect ratio	16:9 <sup>1</sup>
Display type	IPS
Pixel pitch	0.31 x 0.31 mm
Response time	1ms GTG (with overdrive)
Brightness	400 nits <sup>1</sup>
Contrast ratio	1000:1 <sup>1</sup>
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 <sup>3,4,5,6</sup>
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 <sup>8</sup>
Warranty	2 years 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 <sup>7</sup>
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

<sup>1</sup> All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary, either higher or lower.

<sup>2</sup> Full-high definition (FHD) content required to view FHD images.

<sup>3</sup> 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.

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

<sup>5</sup> 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.

<sup>6</sup> 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](http://www.amd.com/freesync) for complete details. Confirm capability with your system manufacturer before purchase. GD-161.

<sup>7</sup> 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.

<sup>8</sup> 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.

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

<sup>10</sup> 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.

<sup>11</sup> 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.

<sup>12</sup> Recycling facilities not available in all locations.

## Technical Specifications Footnotes

<sup>1</sup> All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

<sup>2</sup> 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.

<sup>3</sup> External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.

<sup>4</sup> ITE Derived Closed Loop Plastic percentage is based on the definition set in the IEEE 1680.1-2018 standard.

<sup>5</sup> 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.

<sup>6</sup> Molded pulp cushions are made from 100% recycled wood fiber and organic materials.

<sup>7</sup> Included cables may vary by country.

<sup>8</sup> Host PC requires Windows 10. OMEN Gaming Hub is available on the Microsoft store.

