

# 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 AMD FreeSync™ Premium<sup>2</sup> 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 response time<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 AMD FreeSync™ Premium technology<sup>2</sup>.



### IT'S LIKE YOU'RE REALLY THERE

Escape fully and dive into detailed worlds with the crisp visuals of FHD resolution<sup>3</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>4</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>5</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 a fully adjustable stand, make your play space just how you like it.



With



VESA CERTIFIED AdaptiveSync



VESA CERTIFIED ClearMR

eyesafe CERTIFIED



FreeSync Premium

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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>3</sup>

### 240Hz Refresh Rate

Incredibly responsive, fluid gameplay.<sup>1</sup>

### 1ms Response Time with Overdrive

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

### VESA DisplayHDR™ 400

See details even in shadow and replicate reality on your screen with enhanced contrast.<sup>4</sup>

### AMD FreeSync™ Premium Technology

Game confidently with a high refresh rate, low framerate compensation, and low latency.<sup>2</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>

### αRGB Lighting

Customize with 16.8 millions colors to fit you.<sup>6</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 3.5mm headphone jack.<sup>5</sup>

### IPS Technology

Image accuracy and consistency across wide 178-degrees 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 Display

Easily compare the amount of motion blur between VESA Certified ClearMR displays with Clear Motion Ratio (CMR).<sup>7</sup>

### Integrated Dual 3W Speakers

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

### OMEN Light Studio

Customize your αRGB lighting.<sup>6</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 100mm height adjustments.

### OMEN Gaming Hub

From software enhancements to hardware control, and live services, OGH elevates play in easy and simple way.<sup>8</sup>

### HP Eye Ease with Eyesafe® Certification

Keep your screen time 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.



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## Specifications

### Display specifications

**Display size**  
27"

**Native resolution**  
FHD (1920 x 1080)<sup>1,2</sup>

**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 type**  
IPS

**Panel bit depth**  
True 8 bit

**Aspect ratio**  
16:9<sup>1</sup>

**HDR Support**  
VESA DisplayHDR™ 400

**Display scan frequency**  
60-240 Hz (DisplayPort™); 60-200 Hz (HDMI) (Vertical) 30-391 kHz (Horizontal)

**Response time**  
1ms GtG (with overdrive)

**Brightness**  
400 nits<sup>1</sup>

**Contrast ratio**  
1000:1<sup>1</sup> (Static) 10000000:1<sup>1</sup> (Dynamic)

**Pixel pitch**  
0.31 x 0.31 mm

**Pixels per inch (ppi)**  
82 ppi

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

**Backlight type**  
Edge-lit

**Backlight lamp life**  
30,000 hours

**Display colors**  
Up to 16.7 million colors supported

**Display Color Gamut**  
99% sRGB; 95% DCI-P3

**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

**Display User Control Options**  
Management; Information; Input; Color; Image; Menu; Gaming; Audio; External Lighting

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

**Flicker-free**  
Yes

**Screen treatment**  
Anti-glare

**Hardness**  
3H

**Bezel**  
3-sided borderless

**VESA mount**  
100 mm x 100 mm (bracket included)

**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) 2 SuperSpeed USB Type-A 5Gbps signaling rate 1 USB-B

**HDCP**  
Yes, DisplayPort™ and HDMI

**Power supply**  
100 - 240 VAC 50/60 Hz (Internal)

**Power consumption**  
92 W (maximum), 46 W (typical), 0.5 W (standby)

### Logistics and Physical

**Product color**  
Black

**Detachable stand**  
Yes

**Base area footprint**  
8.46 x 8.26 in

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

**Weight**  
19.14 lb (with stand)

**Packaged Dimensions (L x W x H)**  
27.52 x 6.3 x 17.56 in

**Packaged weight**  
25.99 lb

**Pallet dimensions (W x D x H)**  
pallet: 44.49 x 27.91 x 75.83 in (20 ft & 40 ft); pallet: 44.49 x 27.91 x 93.5 in (40 ft HQ); slip sheet: 44.49 x 27.91 x 88.78 in (20 ft & 40 ft); slip sheet: 44.49 x 27.91 x 88.78 in (40 ft HQ)

**Pallet weight**  
pallet: 748.26 lb (20 ft & 40 ft); pallet: 929.83 lb (40 ft HQ); slip sheet: 907.83 lb (20 ft & 40 ft); slip sheet: 907.83 lb (40 ft HQ)

**Pallet (layers)**  
4 layers per pallet (20 ft & 40 ft); 5 layers per pallet (40 ft HQ); 5 layers per slip sheet

**Products per layer**  
7 (slip sheet and pallet)

**Products per pallet**  
28 sets per pallet (20 ft & 40 ft); 35 sets per pallet (40 ft HQ); 35 sets per slip sheet

### Certification and compliance

**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>

**Certifications**  
Australian-New Zealand MEPS; BIS; BSMI; CB; CCC; CE; CEL; CSA; EAC; FCC; ISO 9241-307; KC/KCC; Microsoft WHQL Certification; NOM; PSB; TÜV Bauart; 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

**Operating temperature range**  
41 to 95°F

**Operating humidity range**  
20 to 80% RH

### Additional information

**Part Number**  
P/N: 780G5AA#ABA

**UPC/EAN code: (ABA) 197029615442**

**Ad embargo date**  
5/28/2023

**Manufacturer Warranty**  
Protected by a one-year HP limited warranty. Certain restrictions and exclusions apply.<sup>9</sup>

**What's in the box**  
Monitor; DisplayPort™ cable; Warranty card; USB Type-A to B cable; Quick Setup Poster; AC power cord

**Country of origin**  
Made in China



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## Footnotes

### Key Selling Points 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> 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 QHD. See [www.amd.com/freesync](http://www.amd.com/freesync) for complete details. Confirm capability with your system manufacturer before purchase. GD-161.
- <sup>3</sup> Full-high definition (FHD) content required to view FHD images.
- <sup>4</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>5</sup> AC power cord, DisplayPort™, and USB-B to A cables included. All others sold separately.

### Feature Messaging Footnotes

- <sup>6</sup> OMEN Gaming Hub account required. 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>7</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>8</sup> Account required for full functionality. See OMEN Gaming Hub terms and conditions.
- <sup>9</sup> Recycled plastic content percentage is based on the definition set in the IEEE 16801-2018 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.

### 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 16801-2018 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.
- <sup>9</sup> Warranty may vary by country. See [www.HP.com/go/support](http://www.HP.com/go/support) for details.

