# OMEN by HP 27 inch QHD 240Hz Gaming Monitor – OMEN 27qs

## SPEED RUN THROUGH FUN

Outclass the competition with the OMEN by HP 27-inch QHD 240Hz Gaming Monitor. Delivering ultra-smooth frames and crisp details[1], 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

**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[1], 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 finely-detailed worlds with the crisp visuals of QHD resolution[2]. Marvel at the wide array of dazzling colors and hues of the 99% sRGB and 95% DCI-P3 color gamut[1]. Even in shadows, easily make out details and shading with VESA DisplayHDR™ 400[3].

**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[4]. 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

**QHD Resolution**
Get lost in the captivating definition and sharp details of 3.7 million pixels. 2560 x 1440 Quad HD resolution transforms all your content for a remarkable entertainment experience 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-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 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.

**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 | 780J4E9#ABB:; #A2N; #ABT; #ABU; #ABV; #ABY; #ACQ; #UUG; #UUZ |
| UPC number | 197029617422 |
| 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 | 0.23 x 0.23 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) | QHD (2560 x 1440 @ 240Hz) |
| 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; 1920 x 1200; 2560 x 1440 |
| Display scan frequency (horizontal) | 30-391 kHz |
| Display scan frequency (vertical) | 55-144 Hz (HDMI); 60-240 Hz (DisplayPort™) |
| 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: F; On-mode power consumption: 83 W (maximum); Annual energy consumption: 26 kWh; Standby: 0.5 W (standby); Power consumption (on-mode): 83 W (maximum); Power consumption (off-mode): 33.5 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) | 109 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 | 2 years limited warranty |
| Certifications and compliances | BIS; BSMI; CB; CCC; CE; CEL; CSA; EAC; FCC; ISO 9241-307; KC/KCC; NOM; PSB; TUV Bauart; TUV LBL; VCCI; 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 | 7.9 kg (with stand) |
| Package dimensions (W x D x H) | 69.9 x 16 x 44.6 cm |
| Package weight | 11.26 kg |
| Pallet (layers) | 4 |
| Products per layer | 7 |
| Products per pallet | 28 |
| Pallet dimensions | 113 x 70.9 x 192.6 cm |
| Pallet weight | 325.28 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] Quad-high definition (QHD) content required to view QHD 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 2560 x 1440 at 60 Hz with 8-bit color using one DisplayPort™, HDMI. The video card of the connected PC must be capable of supporting 2560 x 1440 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.