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?

Sustainability in action

Build for a better tomorrow
Innovating with purpose and intention to drive impactful, positive, lasting change.

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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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Specifications

Display specifications

Display size
27"

Display size (diagonal, metric)
68.6 cm (27")

Aspect ratio
16:9[1]

Curvature
Flat

Native resolution
QHD (2560 x 1440)[1,2]

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

Panel type
IPS

Bezel
3-sided borderless

Panel active area
59.67 x 33.57 cm

Panel bit depth
True 8 bit

Display colors
Up to 16.7 million colors supported

Display color gamut
99% sRGB; 95% DCI-P3

Refresh rate (maximum)
240 Hz

Display scan frequency
55-144 Hz (HDMI); 60-240 Hz (DisplayPort™) (Vertical) 30-391 kHz (Horizontal)

Response time
1ms GtG (with overdrive)

Brightness
400 nits[1]

Contrast ratio
1000:1 (Static)[1] 10000000:1 (Dynamic)[1]

Pixel pitch
0.23 x 0.23 mm

Pixels per inch (ppi)
109 ppi

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

Backlight type
Edge-lit

Backlight lamp life
30,000 hours

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

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

Management software
OMEN Gaming Hub; OMEN Lighting Studio[8]

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

Flicker-free
Yes

Screen treatment
Anti-glare

Hardness
3H

Haze
25%

VESA mount
100 mm x 100 mm (bracket included)

Height adjustment range
100 mm

Tilt
-5 to +20°

Pivot
±90°

Camera
No integrated camera

Speaker output power
2 x 3 W

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)

On mode power demand in Standard Dynamic Range (SDR)
26 W

On mode power demand in High Dynamic Range (HDR) mode
70 W

Standby mode power demand
0.5 W

Logistics and Physical

Product color
Black

Stand color
Black

Detachable stand
Yes

Physical security
None

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

Dimensions with stand (W x D x H)
61.36 x 22.33 x 52.37 cm

Weight
7.9 kg (with stand)

Packaged Dimensions (W x D x H)
69.9 x 16 x 44.6 cm

Packaged weight
11.26 kg

Pallet Dimensions (L x W x H)
113 x 70.9 x 192.6 cm

Pallet weight
325.28 kg

Pallet (layers)
4

Products per layer
7

Products per pallet
28

Certification and compliance

Energy efficiency
F

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]

Certifications
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; CEL Grade 2[9]

Microsoft WHQL certification
Windows 11; Windows 10

Operating temperature range
41 to 95°F

Operating humidity range
20 to 80% RH

Additional information

Part Number
P/N: 780J4AA#ABB:; #A2N; #ABT; #ABU; #ABV; #ABY; #ACQ; #UUG; #UUZ
UPC code: (ABB) 197029617118; (ABU) 197029617163; (ABV) 197029617187

Manufacturer Warranty
1 year limited warranty

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

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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] 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.

[9] Monitors produced from June 2024 comply with China regulation GB 21520-2023.