



HyperX OMEN OLED 27 inch QHD 240Hz Gaming Monitor - OMEN OLED 27q (CHOR2AA)



Overview

Level Up Gameday with HyperX OLED

Transform your everyday gaming experience with OLED quality on the HyperX OMEN OLED 27q. Bringing premium OLED screen to the mainstream, this QHD 240 Hz monitor is backed by HyperX burn-in protections, factory color calibration, and software features only found with a HyperX monitor.

OLED PERFORMANCE

Experience next-level immersion with this stunning 27-inch OLED monitor. Get the most out of your games with the sharp QHD resolution, 240 Hz refresh rate, and .03ms response time. Factory color calibration delivers vivid, immersive color accuracy and deep contrast creating a truly captivating gaming experience, highlighting every detail.[1,2]

ALL DAY PLAY

OLED panels provide amazing front-of-screen visuals, and the HyperX OMEN OLED 27q is no exception. NVIDIA® G-SYNC® technology delivers sharp, stutter-free gameplay with minimal input lag. Plus, HyperX OLED Core Protect reduces the risk of burn-in, enabling gamers to enjoy their favorite content all day worry free.

ERGONOMICS

Whether you're gaming, streaming, or creating, your monitor needs to keep up. The HyperX OMEN OLED 27q can swivel, tilt, pivot, and elevate to fit right in with your setup. And, with OMEN Gaming Hub, all your settings and presets are quickly accessible with a click of the mouse.[3]

Designed with purpose

It matters. With 100% recyclable packaging solutions,[4] 85% post-consumer recycled plastic in monitor's enclosure, including ocean bound plastic, [5] at least 10% recycled metal, including 10% recycled steel and 90% recycled aluminum in the stand,[6] and 20% recycled glass in monitor's panel, [7] we are in this together.[8]

Features

QD-OLED Panel Technology

Experience visuals like never before with an outstanding contrast ratio and a rapid 0.03ms response time, ensuring vivid colors and minimal blur.^[1]

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]

240 Hz Refresh Rate

Don't compromise performance for stunning visuals. Get smooth gaming, sharper objects, and cleaner details with a gaming monitor that refreshes your frames at 240 times a second.^[1]

Factory Color Calibration

Fuel your creativity with a monitor that supports your vision, with Factory Color Calibration for color accuracy, so you can see your games the way the devs intended.^[1]

NVIDIA G-Sync

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

VESA ClearMR 13000

Clear Motion Ratio (CMR), provides a clear numerical value based on the ratio of clear pixels to blurry pixels, which allows you to easily compare the amount of motion blur between VESA Certified ClearMR displays.^[9]

[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 is required to view QHD images.

[3] 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.

[4] 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.

[5] Recycled plastic is expressed as a percentage of the total weight plastic. Post-consumer recycled is based on the definition set in the EPEAT® standard for computers, IEEE 1680.1-2018 standard. EPEAT® tier levels may vary by country. See www.epeat.net for registration status and tier levels by country.

[6] 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.

[7] Percentage of recycled glass in the monitor panel varies by product. Recycled glass is expressed as a percentage of the total weight of the glass.

[8] Recycling facilities not available in all locations.

[9] 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.

Specifications

Color	Black
Display Size (diagonal)	27.63"
Panel Technology	QD-OLED
Display Size (diagonal, metric)	70.17 cm (27.63")
Aspect Ratio	16:9 ^[1]
Native Resolution	QHD (2560 x 1440) ^[1,2]
Resolutions Supported	640 x 480 @ 60 Hz; 640 x 480 @ 75 Hz; 720 x 400 @ 70 Hz; 800 x 600 @ 60 Hz; 800 x 600 @ 75 Hz; 1024 x 768 @ 60 Hz; 1280 x 720 @ 60 Hz; 1280 x 1024 @ 60 Hz; 1440 x 900 @ 60 Hz; 1600 x 900 @ 60 Hz; 1680 x 1050 @ 60 Hz; 1920 x 1080 @ 60 Hz; 1920 x 1200 @ 60 Hz; 2560 x 1440 @ 60 Hz; 2560 x 1440 @ 120 Hz; 1280 x 1024 @ 75 Hz; 1024 x 768 @ 75 Hz; 1280 x 800 @ 60 Hz; 1920 x 1080 @ 165 Hz; 1920 x 1080 @ 240 Hz; 2560 x 1440 @ 144 Hz; 2560 x 1440 @ 165 Hz; 2560 x 1440 @ 240 Hz
Pixel Pitch	0.2292 x 0.2292 mm ^[1]
Brightness (typical)	200 nits ^[1]
Display Contrast Ratio (Static)	1,500,000:1 ^[1]
Response Time (Typical)	0.03ms GtG ^[1]
Product Dimensions (metric)	60.93 x 4.8 x 35.43 cm (without stand)
Product Dimensions (imperial)	23.99 x 1.89 x 13.95 in (without stand)
Product Dimensions (with stand metric)	60.93 x 22.33 x 51.43 cm
Weight (metric)	6.72 kg (with stand); 4 kg (without stand)
Weight (imperial)	14.82 lb (with stand); 8.82 lb (without stand)
Onscreen Controls	Color; Image; Input; Power; Menu; Information; Exit; Gaming; System
Display Colors	Up to 1.07 billion colors supported ^[1]
Display Scan Frequency (horizontal)	30-400 kHz ^[1]
Display Scan Frequency (vertical)	48-240 Hz ^[1]
Camera	No integrated camera
Power Supply Required	100 - 240 VAC 50/60 Hz
Power Consumption Description	75 W (maximum); 63 W (typical) ^[6]
Operating Temperature Range (celsius)	5 to 35°C
Operating Humidity Range	10 to 90% RH (non-condensing)
Sustainability Specifications	At least 90% recycled aluminum in the stand; Contains 20% recycled glass in the monitor panel; Molded paper pulp cushion inside box is made of 100% recycled or certified sources; Outside box and corrugated cushions are 100% from certified or recycled sources and recyclable; At least 85% post-consumer recycled plastic in the monitor's enclosure; Low halogen
Certifications and Compliances	Australian-New Zealand MEPS; BIS; BSMI; CB; CCC; CE; CEL; cTUVus; EAC; FCC; ISO 9241-307; KC; KCC; NOM; PSB; S-Mark for Argentina; TUV-S; VCCI; Vietnam MEPS; WEEE; EU RoHS; California Energy Commission (CEC); WW application; ICE; TUV-GS; Eyesafe® Certified; TÜV Flicker free certified; Cambodia ISC; NRCS; UAE ECAS; TÜV Low Blue Light Hardware Solution certified; Australian-New Zealand DoC; Mexico LTE
Physical Security	None

Management Software	OMEN Gaming Hub ^[5]
UPC Number	(A2K) 199642944367; (A2N) 199642944374; (AB0) 199642944381; (AB1) 199642944398; (AB2) 199642944404; (AB4) 199642944411; (ABA) 199642944428; (ABB) 199642944435; (ABG) 199642944442; (ABJ) 4573620095962; (ABT) 199642944459; (ABU) 199642944466; (ABV) 199642944473; (AC8) 199642944480; (ACJ) 199642944497; (ACQ) 199642944503; (AKH) 199642944534; (AKL) 199642944541; (AR6) 199642944565; (UUF) 199642944671; (UUG) 199642944763; (UUZ) 199642944787
Manufacturer Warranty	HP three-year limited warranty ^[8]
What Is In The Box	Monitor; DisplayPort™ cable; HDMI cable; Warranty card; AC power cable; Quick Setup Poster; Cable holder; Color calibration report; Stand base ^[4]

Additional specifications

Audio Port	1 x 3.5 mm Audio Jack (Audio Out)
Base Area Footprint (imperial)	11.41 x 8.46 in
Base Area Footprint (metric)	28.98 x 21.48 cm
Bezel	3-sided borderless
Curvature	Flat
Datasheet Photo 01	https://hp.widen.net/content/otnc802vkl/png/Lando_Omen27Q_BlackC_Catalog_Front_5419056.png?w=800&h=800&position=c&color=ffffff00&quality=80&u=dlkxlp
Datasheet Photo 02	https://hp.widen.net/content/x9hfem4nwt/png/Lando_Omen27Q_BlackC_Catalog_FrontRight_5418862.png?w=800&h=800&position=c&color=ffffff00&quality=80&u=dlkxlp
Datasheet Photo 03	https://hp.widen.net/content/ebkm3jtiis/png/Lando_Omen27Q_BlackC_Catalog_Rear_5418807.png?w=800&h=800&position=c&color=ffffff00&quality=80&u=dlkxlp
Datasheet Photo 04	https://hp.widen.net/content/ixwklfz8re/png/Lando_Omen27Q_BlackC_Catalog_LeftProfile_5418806.png?w=800&h=800&position=c&color=ffffff00&quality=80&u=dlkxlp
Detachable Stand	Yes
Display Area (imperial)	23.24 x 13.14 in
Display Area (metric)	59.04 x 33.37 cm
Display Color Gamut	99% sRGB; 99% Display P3 ^[1,3]
DisplayPort™	1 DisplayPort™ 1.4
Ecolabels	CEL Grade 3; Ukraine EE; Korea MEPS; California CEC
Energy Efficiency Class	E
Energy Efficiency Class Logo	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c07055646.png
Flicker-Free	Yes (TÜV certified)
HDCP	Yes, DisplayPort™ and HDMI
HDMI	2 HDMI 2.1
Hardness	2H ^[1]
Haze	25%
Height Adjustment Range	100 mm
Horizontal Viewing Angle	178°
Layers Per Pallet	7 or 8

**Low Blue
Light Modes**HP Eye Ease (Eyesafe® and TÜV certified)^[1]**Non-
operating
Altitude
(imperial)**

Up to 40,000 ft

**Non-
operating
Altitude
(metric)**

Up to 12,192 m

**Non-
operating
Humidity
Range**

10 - 90%

**Non-
operating
Temperature
- Celsius**

-20 to 60°C

**Non-
operating
Temperature
- Fahrenheit**

-4 to 140°F

**On mode
Power
Demand in
Standard
Dynamic
Range (SDR)**

21 W

**Operating
Altitude
(imperial)**

Up to 16,400 ft

**Operating
Altitude
(metric)**

Up to 5,000 m

**Operating
Temperature
Range
(fahrenheit)**

41 to 95°F

**Package
Dimensions
(imperial)**

31.1 x 17.56 x 6.3 in

**Package
Dimensions
(metric)**

79 x 44.6 x 16 cm

**Package
Weight
(imperial)**

22.05 lb

**Package
Weight
(metric)**

10 kg

**Pallet
Dimensions
(imperial)**

Slip sheet: 45.04 x 31.5 x 88.78 in (20 ft, 40 ft, 40 HQ); Pallet: 45.04 x 31.5 x 76.02 in (20 ft, 40 ft), 45.04 x 31.5 x 93.7 in (40 HQ)

**Pallet
Dimensions
(metric)**

Slip sheet: 114.4 x 80 x 225.5 cm (20 ft, 40 ft, 40 HQ); Pallet: 114.4 x 80 x 193.1 cm (20 ft, 40 ft), 114.4 x 80 x 238 cm (40 HQ)

Pallet Weight (imperial)	Slip sheet: 789.25 lb (20 ft, 40 ft, 40 HQ); Pallet: 650.36 lb (20 ft, 40 ft), 804.69 lb (40 HQ)
Pallet Weight (metric)	Slip sheet: 358 kg (20 ft, 40 ft, 40 HQ); Pallet: 295 kg (20 ft, 40 ft), 365 kg (40 HQ)
Panel Bit Depth	10 bit ^[1]
Pivot	±90°
Pixels Per Inch (PPI)	110 ppi ^[1]
Power Supply Type	Internal
Product Brand Name	HP
Product Caption Image 01	https://hp.widen.net/content/vuuepbhj5/png/HyperXOLED27q_Catalog%2B_Front_6265118_6265118.png?w=800&h=800&position=c&color=ffffff00&quality=80&u=dlkxlp
Product Caption Image 02	https://hp.widen.net/content/noonuhda5l/png/HyperXOLED27q_Catalog%2B_Back_6264976_6264976.png?w=800&h=800&position=c&color=ffffff00&quality=80&u=dlkxlp
Product Color Description	Black
Product Dimensions (with stand, imperial)	23.99 x 8.79 x 20.25 in
Product Long Name Specifications	HyperX OMEN OLED 27 inch QHD 240Hz Gaming Monitor - OMEN OLED 27q, 240 Hz, 99% sRGB; 99% Display P3, QD-OLED, No integrated camera, HP Eye Ease (Eyesafe® and TÜV certified)
Product Short Name Specifications	HyperX OMEN OLED 27 inch QHD 240Hz Gaming Monitor - OMEN OLED 27q, 240 Hz, 99% sRGB; 99% Display P3, QD-OLED
Products per Pallet Layer	Slip Sheet: 35 (20 ft, 40 ft, 40 ft HQ); Pallet: 28 (20 ft, 40 ft), 35 (40 ft HQ)
Refresh Rate (maximum)	240 Hz
Resolution (maximum)	QHD (2560 x 1440 @ 240Hz) ^[1]
Screen Treatment	Anti-reflective
Stand Color	Black
Stand Type	With stand; Height adjustable stand
Standby Mode Power Demand	0.5 W
Swivel	±45° ^[1]
Technology Logo 01	https://prismgui-int.inc.hpincorp.net/PRO.Crystal.1/DAMHandler/Accessories/OMEN%20Gaming%20Hub-Logo-FullColor-Black.png
Technology Logo 02	https://prismgui-int.inc.hpincorp.net/PRO.Crystal.1/DAMHandler/Accessories/Nvidia__G-SYNC-removebg-preview.png
Technology Logo 03	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08610275.png

Technology Logo 04	
Tilt	-5 to +20°
UNSPSC Code	43211902
VESA Mounting	100 x 100 mm
Vertical Viewing Angle	178°
Viewable Diagonal Size	26.5" (67.31 cm)

[1] All performance 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 2.1 required to drive panel at its native resolution. The video card of the connected PC must be capable of supporting 2560 x 1440 at 60Hz (default) with 10-bit color using one DisplayPort™ or HDMI.

[3] Number of colors through A-FRC technology.

[4] Included cables may vary by country.

[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] Maximum brightness and contrast setting with maximum power loading on USB downstream ports (for power consumption maximum); Factory default brightness and contrast setting with 25% power loading on USB downstream ports (for power consumption typical).

[8] Please refer to the warranty card supplied with the product for details. Warranty may vary by country as required by law. Go to hp.com/support to learn about HP award winning service and support options in your region.

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