

HyperX OMEN OLED 27 inch QHD 500Hz Gaming Monitor - OMEN OLED 27qs

Faster Than Their Excuses

Even in a world tracked in milliseconds, the new HyperX OMEN OLED 27qs is a cut above the rest. With a 500 Hz OLED panel built for near-instantaneous speeds, it's every competitive gamer's dream. Combine that with HyperX's new ProLuma display for professional color accuracy, industry-leading burn-in protection with HyperX OLED Core Protect, and premium features like a full-graphic on-screen display, 3D-printable headphone hook, and customizable aRGB lighting, you have something both faster and better than your opponent's excuses.



*Product image may differ from actual product



Unbelievably Fast, Undeniably Stunning

The new HyperX OMEN OLED 27qs is the ultimate competitive advantage. With motion blur and input lag reduced to practically zero¹, you ensure the only thing affecting the outcome of your match is you. And with a factory color-calibrated HyperX ProLuma display, not only will your games play faster than ever before, they'll also look better than you ever thought possible.



Game Confidently with HyperX

While a lot of brands have high refresh rate OLED displays, they typically stop at the panel. However, at HyperX, we know a gamer's needs don't stop there. They worry about burn-in, so we created the most comprehensive OLED protection offering, HyperX OLED Core Protect. They worry about settings optimization, so we created a full-graphic on-screen display--and as a bonus, we even added the ability to 3D print their own headphone hook.



Customize Your Gaming Space

Given the amount of time you likely spend in your gaming setup, you deserve to have it feel just right. With the HyperX OMEN OLED 27qs you can swivel, tilt, pivot and elevate to get that perfect viewing angle. You can also fully customize your aRGB lighting to fit your unique aesthetic. We also added a KVM switch and 100W USB-C power delivery for maximum flexibility.

Sustainability in action

We're in this Together

It matters. With 100% recyclable packaging solutions,² 85% post-consumer recycled plastic in monitor's enclosure, including ocean bound plastic,³ at least 10% recycled metal, including 10% recycled steel and 90% recycled aluminum in the stand,⁴ and 20% recycled glass in monitor's panel,⁵ we are in this together.⁶



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Featuring

QD-OLED

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

500 Hz Refresh Rate

When every moment counts, a lightning-fast 500 Hz refresh rate practically removes all artifacting and motion blurring for gameplay that's incredibly crisp and responsive.¹

HyperX ProLuma Display

HyperX's ProLuma displays guarantee professional-grade color accuracy and performance across multiple color spaces, providing the best gaming and creating experiences possible.¹

VESA DisplayHDR TrueBlack 500

Unparalleled quality and contrast with VESA DisplayHDR™ True Black 500 ensures true-to-life visuals with deep blacks and advanced colors.⁷

NVIDIA G-Sync compatible

Enjoy variable refresh rates with NVIDIA® G-SYNC® compatibility, tested and certified to deliver gameplay that is sharp, fluid, and stutter-free with minimal input lag.

VESA Adaptive Sync

VESA Certified AdaptiveSync guarantees higher refresh rates and low latency, optimized for gaming, plus a lab-certified max refresh rate so you know your monitor's full potential.⁸

VESA ClearMR 21000

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 monitors.⁹

Full Graphic OSD

Blend your gaming and professional setup for a fully customizable experience in both work and play.

100W USB-C Power Delivery

Just one cable is all you need for fast and 100W USB-C® Power Delivery, video, data and peripheral's.

KVM

Switch between multiple setups--whether that be a console with a PC or multiple PCs--with ease without having to reconnect your peripherals.

Multiplatform capabilities

Easily connect your PCs and consoles with DisplayPort™, HDMI, and USB inputs and keep your accessories organized with the convenience of the USB Hub.

Console Compatible

This gaming monitor underwent over 140 test cases to ensure it's compatible with your choice of console. Just connect the HDMI and get right to playing.

OMEN Gaming Hub

OMEN Gaming Hub is your one place for everything to make your gaming experience better. Enjoy software enhancements to hardware control, and live services.¹⁰

aRGB Lighting

Personalize your gaming setup with customizable aRGB lighting. Add effects and customize colors using OMEN Gaming Hub and Windows Dynamic Lighting.^{10,11}

3D Printable Headphone Hook

Keep your headset handy with a convenient headphone hook. Not only is it easy to install, but you can also 3D print your own designs for maximum personalization.¹²

Ergonomic Stand

Make your desk just how you like it with a fully adjustable stand, including height, tilt, pivot and swivel capabilities. Plus, keep it clean with the included cable management clip.

EyeSafe

Built right into the display, with no need to adjust settings or worry about a compromised color experience, HP Eye Ease with Eyesafe® Certification provides beautiful color while reducing blue light to keep your screentime comfortable.

HyperX OLED Core Protect

The best part of a warranty is never having to use it. With HyperX OLED Core Protect, our OLED monitors constantly keep your pixels active and refreshed, so you don't have to worry about burn-in.¹³

3 Year Limited Warranty, including burn-in

Rest easy - your purchase is covered with our 3-year limited warranty, offering you unmatched support, reliability and covers burn-in.¹⁴



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Specifications

Display specifications

Display size	70.5 cm (27")
Viewable diagonal size	26.5" (67.3 cm)
Aspect ratio	16:9 ¹
Curvature	Flat
Native resolution	QHD (2560 x 1440) ^{1,2}
Resolution (maximum)	QHD (2560 x 1440 @ 500 Hz) ¹
Resolutions supported	640 x 480 @ 60 Hz; 720 x 400 @ 70 Hz; 800 x 600 @ 60 Hz; 1024 x 768 @ 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 800 @ 60 Hz; 1920 x 1080 @ 240 Hz; 2560 x 1440 @ 144 Hz; 2560 x 1440 @ 165 Hz; 2560 x 1440 @ 240 Hz; 1920 x 1080 @ 500 Hz; 2560 x 1440 @ 360 Hz; 2560 x 1440 @ 500 Hz
Panel type	QD-OLED
Bezel	3-sided borderless
Panel active area	59.67 x 33.56 cm
Panel bit depth	True 10 bit
Display colors	Up to 1.07 billion colors supported ¹
Display color gamut	100% sRGB; 98% Display P3; 96% Adobe RGB ¹
Calibrated color presets	98% Display P3; 100% sRGB; 96% Adobe RGB ¹
HDR Support	VESA DisplayHDR™ True Black 500
Refresh rate (maximum)	500 Hz ¹
Display scan frequency	48-500 Hz (Vertical) ¹ ; 30-937 kHz (Horizontal) ¹
Response time	0.03ms GtG ¹
Brightness	300 nits ¹
Contrast ratio	1,500,000:1 (Static) ¹
Pixel pitch	0.2292 x 0.2292 mm ¹
Pixels per inch (ppi)	111 ppi
Viewing angle	178° (Vertical) 178° (Horizontal)
Display User Control Options	Input; Power; Gaming; External lighting; Picture presets
Management software	OMEN Gaming Hub
User updateable firmware	Yes
Low blue light modes	Eyesafe® and TÜV certified ¹
Flicker-free	Yes (TÜV certified)
Screen treatment	Anti-reflective
Hardness	2H ¹
Haze	25%
VESA mount	100 x 100 mm (bracket included)
Adjustability	Height adjustment range: 100 mm Tilt: -5 to +20° Swivel: ±45° Pivot: +90°
Languages	11 (English, Spanish, German, French, Italian, Dutch-Netherlands, Portuguese, Japanese, T-Chinese, S-Chinese and Russian)
Special features	4K Downscaling for Console HDR Support; AMD FreeSync™ Premium Pro; Gaming Console Compatible; VESA Certified AdaptiveSync; NVIDIA® G-SYNC® Compatible; VESA ClearMR 21000 certified
Productivity	KVM switch; Picture-by-Picture; Picture-in-Picture

Connectivity and communications

Port and connectors	2 HDMI 2.1 1 DisplayPort™ 1.4 1 x 3.5 mm Audio Jack (Audio Out) 1 USB Type-C® 5Gbps signaling rate (Up to 100W USB Power Delivery, Alt Mode DisplayPort™ 1.4) 2 USB Type-A 5Gbps signaling rate 1 USB-B
HDCP	Yes, DisplayPort™ and HDMI
Power supply	100 - 240 VAC 50/60 Hz ¹ (External)
Power consumption	250 W (maximum); 65 W (typical) ^{1,5}




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Specifications

Appearance

Product color	Black
Stand color	Black
Detachable stand	Yes
Physical security	None
Base area footprint	28.98 x 21.48 cm
Dimensions without Stand (W x D x H)	61.24 x 10.45 x 35.58 cm (without stand)
Dimensions with stand (W x D x H)	61.24 x 22.3 x 51.95 cm
Weight	5.35 kg (without stand); 7.97 kg (with stand)
Packaged Dimensions (W x D x H)	44.6 x 15.4 x 69.4 cm
Packaged weight	11.96 kg

Certification and compliance

Energy efficiency class	G 
On mode power demand in Standard Dynamic Range (SDR)	26 W ^{1,6}
On mode power demand in High Dynamic Range (HDR) mode	34 W ^{1,6}
Standby mode power demand	0.5 W ^{1,6}
Ecolabels	CEL Grade 3; Ukraine EE; Belarus EE; Korea MEPS; California CEC
Sustainable impact specifications	At least 10% recycled metal; At least 90% recycled aluminum in the stand; Contains ocean-bound plastic; Contains 20% recycled glass in the monitor panel; 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 ^{8,9,10,11}
Certifications	Australian-New Zealand MEPS; BIS; BSMI; CB; CCC; CE; CEL; cTUVus; EAC; EUP Lot-5; FCC; ICES; ISO 9241-307; KC; KCC; NOM; PSB; S-Mark for Argentina; VCCI; Vietnam MEPS; WEEE; EU RoHS; California Energy Commission (CEC); WW application; TÜV GS; NRCS of South Africa; Eyesafe® Certified; TÜV Flicker free certified; Cambodia ISC; Ukraine EE; TÜV Low Blue Light Hardware Solution certified; UAE safety; UAE RoHS; Korea MEPS; Ukraine safety; Australian-New Zealand DoC; Mexico LTE; UK RoHS
Microsoft WHQL certification	Windows 11; Windows 10 ⁷
Environmental	Operating temperature range: 5 to 35°C Non-operating temperature range -40 to 65°C Operating humidity: 20 to 80% RH (non-condensing) Non-operating humidity: 5 - 95% Operating altitude: Up to 5,000 m Non-operating altitude: Up to 12,192 m

Additional information

Part Number	P/N: BY8Z1AA#ABB; #A2N; #ABT; #ABU; #ABV; #ABY; #ACQ; #UUG; #UUZ; UPC code: (ABB) 199251749728; (ABU) 199251749759
Manufacturer Warranty	HP three-year limited warranty ⁴
What's in the box	Monitor; DisplayPort™ cable; HDMI cable; Warranty card; USB Type-B to A cable; Quick Setup Poster; 1 USB Type-C® to Type-C cable; Cable holder; Color calibration report; Headphone hook; Stand base ³
Country of origin	Made in China and Thailand

Logistic information

Pallet Dimensions (L x W x H)	Slip sheet: 120 x 101.2 x 225.5 cm (20 ft, 40 ft, 40 HQ) Pallet: 120 x 101.2 x 193.1 cm (20 ft, 40 ft), 120 x 101.2 x 238. cm (40 HQ)
Pallet weight	Slip sheet: 604kg (20 ft, 40 ft, 40 HQ) Pallet: 496.3 kg (20 ft, 40 ft), 615.9 kg (40 HQ)
Pallet (layers)	Slipsheet: 5 (20 ft, 40 ft, 40 HQ); Pallet: 4 (20 ft, 40 ft), 5 (40 HQ)
Products per layer	10
Products per pallet	40 or 50



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Product walkaround



1. Power LED



- 2. Power button
- 3. Power connector
- 4. HDMI 2.1 port
- 5. HDMI 2.1 port
- 6. DisplayPort 1.4

- 7. USB Type-C® 5Gbps signaling rate (Up to 100W USB Power Delivery, Alt Mode DisplayPort™ 1.4)
- 8. USB-B port
- 9. USB Type-A 5Gbps signaling rate (charging)
- 10. USB Type-A 5Gbps signaling rate (charging)
- 11. 3.5 mm headphone jack

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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.
- ² 100% 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.
- ³ 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 16801-2018 standard.
- ⁴ 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.
- ⁵ Percentage of recycled glass in the monitor panel varies by product.
- ⁶ Recycling facilities not available in all locations.
- ⁷ 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.
- ⁸ 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.
- 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.
- ¹⁰ 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.
- ¹¹ Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.windows.com>.
- ¹² HP is not responsible for any damage to devices or monitors resulting from failed 3D prints, user-generated designs, or misuse of the headphone hook. Use at your own discretion.
- ¹³ HyperX OLED CoreProtect protects your OLED monitor against burn-in and color shift but does not guarantee burn-in or color shift will not occur. Burn-in is covered under the 3-year limited warranty.
- ¹⁴ This product includes a 3-year limited warranty that covers burn-in when the monitor is used under normal conditions and with HP's default OLED protection features enabled. Damage resulting from misuse, abnormal operation, or disabled protection settings might not be eligible for warranty.

Technical Specifications Footnotes

- 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 1400 at 500 Hz with true 10 bit color using one DisplayPort™, HDMI.
- ³ Included cables may vary by country.
- ⁴ 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.
- ⁵ 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).
- ⁶ As defined in EU 2019/2021 and EU 2019/2013.
- ⁷ Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.windows.com>.
- ⁸ 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.
- ⁹ Packaging parts contain certified or recycled fibers and are typically recycled in your local paper/carton recycling bin, consult your local guidelines.
- ¹⁰ Recycled plastic is expressed as a percentage of the total weight plastic. Post-consumer recycled is based on the definition set in the EPEAT criteria.
- ¹¹ Recycled metal is expressed as a percentage of the total weight metal as per defined in the EPEAT criteria.

