HyperX OMEN OLED 34 inch WQHD 360Hz Gaming Monitor - OMEN OLED 34

Game Boldly, Create Confidently

Have you ever felt like you were stuck between choosing a monitor for high-performance gaming or professional-grade creative projects, but never both? You can have the high refresh rate, but the colors will look flat and dull. You can have the vivid worlds, but you'll have snail-like reaction times. That's something we took personally, so we set out to create a monitor that's just as comfortable handling gunfights and gorgeous AAA worlds as it is filmmaking, game development, and graphic design. What we ended up with is the new HyperX OMEN OLED 34, which with a 360 Hz reresh rate, 0.03 ms response time, our professional-grade ProLuma color accuracy, and elite burn-in protections, gives you everything you need in a single monitor.[1]

*Product image may differ from actual product

OLED You Can Trust

OLED looks gorgeous with its vibrant colors and rich contrast, but it's been hard to trust OLED gaming monitors due to the fear of burn-in and text-fringing. That's why our latest 34" monitor has a new 360 Hz QD-OLEDTM Penta Tandem panel with V-Stripe, which eliminates text-fringing and is 30% brighter and more energy efficient, all backed by HyperX OLED Core Protect and our 3-year (limited) warranty for complete burn-in protection.[1,2]

Game and Create like a Pro

Whether you're a gamer or creator, manually having to switch between setups is a pain. With our new HyperX OMEN OLED 34, however, you get the best of all worlds. Our ProLuma panel, calibrated to an average Delta E < 1, for professional-grade color accuracy, a KVM switch to swap between setups instantly, and up to100W USB-C power delivery for maximum flexibility.[1]

Customize Your Gaming Space

Given the amount of time you spend in your gaming setup, you deserve to have it feel just right. With the HyperX OMEN OLED 34 you can painlessly tweak your settings with our full graphics on-screen display, adjust your RGB lighting to fit your preferred aesthetic, and rest your headset on our convenient 3D-printable hook. [3]

Sustainability in action

We're in this Together

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]

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Featuring

QD-OLED™ Penta Tandem
QD-OLED™ Penta Tandem with V-Stripe brings significant improvements to QD-OLED, increasing energy efficiency, peak brightness by 30%, doubling the lifespan, and reducing text fringing.[1]

360 Hz Refresh Rate
When every moment counts, a lightning-fast 360 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]

1800R Curvature
By bringing the sides of the display closer, the curved screen provides an immersive gaming experience with a panoramic field of view that wraps around peripheral vision.

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.[9]

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.[10]

VESA ClearMR 18000
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.[11]

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 video, data, peripherals, and up to 100W USB-C® power delivery.

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.

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.[12]

aRGB Lighting
Personalize your gaming setup with customizable aRGB lighting. Add effects and customize colors using OMEN Gaming Hub and Windows Dynamic Lighting.[12,13]

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.[3]

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.[2]

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	88.7 cm (34.92")
Viewable diagonal size	34" (86.4 cm)
Aspect ratio	21:9[1]
Curvature	1800R
Native resolution	WQHD (3440 x 1440)[1,2]
Resolution (maximum)	WQHD (3440 x 1440 @ 360 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 800 @ 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 1080 @ 240 Hz; 1920 x 1200 @ 60 Hz; 2560 x 1440 @ 240 Hz; 2560 x 1440 @ 360 Hz; 3440 x 1440 @ 60 Hz; 3440 x 1440 @ 120 Hz; 3440 x 1440 @ 240 Hz; 3440 x 1440 @ 360 Hz
Panel type	QD-OLED
Bezel	3-sided borderless
Panel active area	80.01 x 33.71 cm
Panel bit depth	True 10 bit[1]
Display colors	Up to 1.07 billion colors supported[1]
Display color gamut	100% sRGB; 98% Adobe RGB; 99% Display P3[1]
Calibrated color presets	99% Display P3; 100% sRGB; 98% Adobe RGB
HDR Support	VESA DisplayHDR™ True Black 500
Refresh rate (maximum)	360 Hz[1]
Display scan frequency	48-360 Hz (Vertical)[1]; 30-623 kHz (Horizontal)[1]
Response time	0.03ms GtG[1]
Brightness	300 nits[1]
Contrast ratio	1,500,000:1 (Static)[1]
Pixel pitch	0.2315 x 0.2315 mm[1]
Pixels per inch (ppi)	110 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	3H[1]
VESA mount	100 x 100 mm (bracket included)
Adjustability	Height adjustment range: 100 mm Tilt: -5 to +20° Swivel: ±30°
Camera	No integrated camera
Languages	11 (English, Spanish, German, French, Italian, Dutch-Netherlands, Portuguese, Japanese, T-Chinese, S-Chinese and Russian)
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 (External)
Power consumption	300 W (maximum); 90 W (typical)[5]

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Specifications

Appearance

Product color	Black
Stand color	Black
Detachable stand	Yes
Base area footprint	27.48 x 22.48 cm
Dimensions without Stand (W x D x H)	81.44 x 14.84 x 35.93 cm (without stand)
Dimensions with stand (W x D x H)	81.44 x 23.72 x 58.52 cm
Weight	9.61 kg (with stand); 6.43 kg (without stand)
Packaged Dimensions (W x D x H)	95.6 x 19.7 x 45.6 cm
Packaged weight	16.49 kg

Certification and compliance

Energy efficiency class	G
On mode power demand in Standard Dynamic Range (SDR)	32 W[5]
Standby mode power demand	0.5 W[5]
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; Low halogen[7,8,9,10,11,12]
Certifications	Argentina S-Mark; Australian-New Zealand MEPS; BIS; BSMI; CB; CCC; CE; CEL; cTUVus; EAC; FCC; ICES; ISO 9241-307; KC; KCC; NOM; PSB; TUV/GS; VCCI; Vietnam MEPS; WEEE; EU RoHS; California Energy Commission (CEC); WW application; 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[6]
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: C49PPE9#ABB:; #A2N; #ABT; #ABU; #ABV; #ABY; #ACQ; #UUG; #UUZ; UPC code: 199764413949
Manufacturer Warranty	HP three-year limited warranty [4]
Zero bright dot warranty	Yes
What's in the box	Monitor; HDMI cable; Warranty card; Power adapter; USB Type-B to A cable; AC power cable; Quick Setup Poster; 1 USB Type-C® to Type-C cable; DisplayPort™ 1.4 cable; Cable holder; Stand base; Color calibration report; Headphone hook[3]
Country of origin	Made in China and Thailand

Logistic information

Pallet Dimensions (L x W x H)	Slip sheet: 120.4 x 100 x 183.6 cm (20 ft, 40 ft), 120.4 x 100 x 230.5 cm (40 HQ) Pallet: 120.4 x 100 x 197.1 cm (20 ft, 40 ft), 120.4 x 100 x 243 cm (40 HQ)
Pallet weight	Slip sheet: 3999.6 kg (20 ft), 8373.9 kg (40 ft), 10467.7 kg (40 HQ) Pallet: 4124.8 kg (20 ft), 8622.4 kg (40 ft), 10757.5 kg (40 HQ)
Pallet (layers)	Slip sheet: 5 layers (20 ft, 40 ft, 40 ft HQ); Pallet: 4 layers (20 ft, 40 ft), 5 layers (40 ft HQ)
Products per layer	6 sets per layer
Products per pallet	Slip sheet: 30 sets (20 ft, 40 ft, 40 ft HQ); Pallet: 24 sets

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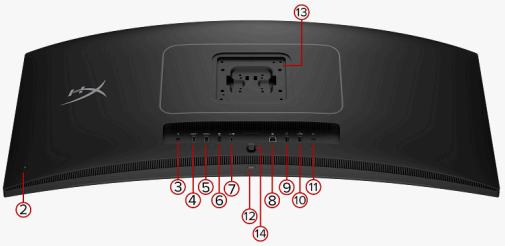
Product walkaround

1. Power LED
15. Headphone hook



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
12. KVM Switch
13. 100 x 100 mm VESA Mount
14. Joystick OSD

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Accessories and services (not included)

HP Business PC Security Lock v3 Kit		Help prevent chassis tampering and secure your PC and display in workspaces and public areas with the affordable HP Business PC Security Lock v3 Kit. **Product number: 3XJ17AA**
HP Quick Release Bracket 2		Use the HP Quick Release Bracket 2 to attach your HP Desktop Mini to an HP display[1] and a variety of stands, arms or wall mounts.[2] The failsafe "Sure-Lock" mechanism snaps the PC securely in place, and can be further secured with a theft-deterrent security screw. **Product number: 6KD15AA**
HP Quick Release Monitor Single Arm		Enjoy more comfort and space with the HP Quick Release Monitor Arm. Easily mount and quickly release select E-Series G5[1], Series 5 Pro[2], and Series 7 Pro[3] monitors to maximize workday comfort and desk space. **Product number: 762U0AA** [1] Compatible with select HP P Series, Series 3 Pro, E Series, Series 5 Pro, and Series 7 Pro monitors. Please check detailed compatibility on accessory datasheet. [2] Requires monitor VESA adapter for selected models. Please contact your Sales agent or HP Service for further guidance.
HP B560 PC Mounting Bracket		Create a compact workspace with the HP B560 PC Mounting Bracket. Attach your HP Desktop Mini PC[1] behind select E-Series G5[2], Series 5 Pro[3], or Series 7 Pro[4] monitors for a fully adjustable, space-saving solution. **Product number: 763U8AA** [1] Compatible with Desktop Mini PCs and Workstations that have a 100 mm x 100 mm VESA mount. Use included spacer kit to allow compatibility with HP Thin Clients that have a 100 mm x 100 mm VESA mount. [2] Compatible with the following E-Series monitors: E22 G5, E24 G5, E24t G5, E24q G5, E27 G5, E27q G5, E24u G5, E27u G5, E27k G5, and E32k G5, E45c G5.

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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] 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.
[3] 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.
[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.
[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] 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.
[10] 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.
[11] 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.
[12] 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.
[13] 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.
[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 2.01required 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] 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.
[7] 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.
[8] Ocean Bound plastic is based on the definition set by the UL2809 standard.
[9] 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.
[10] Recycled metal is expressed as a percentage of the total weight metal as per defined in the EPEAT criteria.
[11] External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.
[12] Packaging parts contain certified or recycled fibers and are typically recycled in your local paper/carton recycling bin, consult your local guidelines.

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