

OMEN 24.5inch FHD 360Hz Gaming Monitor - OMEN 25

Play at the Speed of the Pros

Play at the speed of pros with the OMEN 25 Esports Monitor: a blazing-fast 360 Hz display with factory-color calibration for crisp visuals in every frame. OMEN 25 is the Official Monitor of League of Legends Esports and VALORANT Champions Tour.¹



*Product image may differ from actual product

360Hz

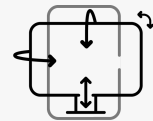
Test Your Skills, Not Your Eyes

When milliseconds matter you need every frame to count. Respond to every instant with a blazingly fast 360 Hz refresh rate and 1ms response time. The OMEN 25 produces crisp, clear detail, and is NVIDIA G-Sync compatible, reducing screen tearing and frame stuttering for a smooth gaming experience.¹

HDR

More Colors, More Detail

The OMEN 25 is factory color calibrated for enhanced visual immersion, ensuring your games look as good as the developers intended. With a VESA DisplayHDR 400 certified monitor you can experience every dark shade and bright tone in vivid detail.²



Customize Your Gaming Space

OMEN 25 can swivel, tilt, and elevate to fit right in with your gaming setup. Find the perfect viewing angle and position to lock-in your focus for every game. Hang up your headset between matches with the attachable headset hook and set the vibe with customizable RGB lights.

Sustainability in action

We're in this Together

It matters. With 100% recyclable packaging solutions,³ 80% post-consumer recycled plastic in monitor's enclosure, including ocean bound plastic,⁴ at least 10% recycled metal, including 10% recycled steel and 90% recycled aluminum in the stand,⁵ and 20% recycled glass in monitor's panel,⁶ we are in this together.⁷



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Featuring

FHD 24.5" Display

Keep everything in view on the FHD 24.5" monitor. With the OMEN 25, you'll always have your eyes on the action.⁸

IPS Panel

No matter where you stand, IPS panel delivers clear, vivid images with 178-degree wide-viewing angles, so everyone can get a great view.

360 Hz Refresh Rate

Don't compromise performance for stunning visuals. Get smooth gaming, sharper objects, and cleaner details with a blazingly fast 360 Hz refresh rate monitor.¹

1ms GTG Response Time with Overdrive

Overdrive minimizes motion blur for crisp, fluid gameplay no matter what's happening on-screen.¹

VESA Certified DisplayHDR 400

See details even in shadow and replicate reality on your screen with VESA DisplayHDR™ 400 for enhanced contrast, deeper shadows, and brighter highlights.²

Factory Color Calibration

Get deeper hues and more accurate colors with factory color calibration that precisely recreates colors so lifelike you will get lost in your gameplay.¹

93% Display P3 and 99.5% sRGB

Fuel your creativity with a monitor that supports your vision, having professional-grade color accuracy with 93% Display P3 and 99.5% sRGB color gamuts.¹

NVIDIA® G-SYNC™

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

VESA ClearMR 6000

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

VESA Certified AdaptiveSync

VESA Certified AdaptiveSync guarantees higher refresh rates and low latency, optimized for gaming, plus a lab-certified max refresh rate so you know your display's full potential.¹⁰

Effortless Joypad OSD Button

In the middle of gameplay, it's never been easier to configure your display settings right from the monitor. Quickly navigate the on-screen menu with the joypad OSD button to adjust brightness, contrast ratio, and color.

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.

aRGB Lighting

Personalize your gaming setup with customizable aRGB lighting. Add effects and customize colors using OMEN Gaming Hub and Windows Dynamic Lighting.^{11,12}

4-Way Adjustable Stand

Make your desk just how you like it and maintain comfort with a fully adjustable stand, including height, tilt, pivot and swivel capabilities.

Detachable Headphone Hook

Keep your gaming gear close with a convenient, repositionable headphone hook. Simply mount the hook to the monitor's quick-release socket to keep your headset handy.

Integrated Cable Management

Cord and wire pass-through located on the display stand reduces cord-clutter and helps keep your workspace clean and organized.

HP Eye Ease with Eyesafe® Certification

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.

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.¹¹

Compatible with Consoles

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.

Thoughtful Product Packaging

To reduce plastic in landfills, we use 100% recyclable packaging that meets recycling requirements, so it can stay out of the landfill when customers are finished with it.^{3,7}



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Specifications

Display specifications

Display size	62.2 cm (24.5")
Viewable diagonal size	24.48" (62.17 cm)
Aspect ratio	16:9 ¹
Curvature	Flat
Native resolution	FHD (1920 x 1080) ^{1,2}
Resolutions supported	640 x 480 @ 60 Hz; 720 x 400 @ 70 Hz; 800 x 600 @ 60 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 @ 50 Hz; 1920 x 1080 @ 60 Hz; 1920 x 1080 @ 100 Hz; 1920 x 1080 @ 120 Hz; 720 x 480 @ 60 Hz; 720 x 576 @ 50 Hz; 1280 x 720 @ 50 Hz; 1280 x 720 @ 100 Hz; 1280 x 800 @ 60 Hz; 1920 x 1080 @ 75 Hz; 1920 x 1080 @ 165 Hz; 1920 x 1080 @ 240 Hz (DisplayPort only); 1920 x 1080 @ 144 Hz; 3840 x 2160 @ 60 Hz (HDMI console only); 1920 x 1080 @ 200 Hz; 1920 x 1080 @ 235 Hz (HDMI only); 1920 x 1080 @ 360 Hz (Displayport DSC On Only)
Panel type	IPS; LED
Bezel	3-sided micro-edge
Panel active area	54.31 x 30.26 cm
Panel bit depth	True 8 bit ¹
Display colors	Up to 16.7 million colors supported ¹
Display color gamut	93% Display P3; 99.5% sRGB ¹
Calibrated color presets	93% Display P3; 99.5% sRGB ¹
Color calibration features	Factory color calibration
HDR Support	VESA DisplayHDR™ 400
Refresh rate (maximum)	360 Hz ¹
Display scan frequency	50-360 Hz (Vertical) ¹ ; 30-466.1 kHz (Horizontal) ¹
Response time	1ms GtG (with overdrive) ¹
Brightness	400 nits ¹
Contrast ratio	1000:1 (Static) ¹ 5,000,000:1 (Dynamic) ¹
Pixel pitch	0.2829 x 0.2802 mm ¹
Pixels per inch (ppi)	90 ppi
Viewing angle	178° (Vertical) 178° (Horizontal)
Backlight type	Edge-lit
Backlight lamp life	30,000 hours
Display User Control Options	Brightness+; Color; Image; Input; Power; Menu; Management; Information; Exit; Contrast; Gaming; Message control; Language; External lighting
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-glare
Hardness	3H ¹
Haze	25%
VESA mount	100 x 100 mm
Adjustability	Height adjustment range: 100 mm Tilt: -5 to +20° Swivel: ±45° Pivot: ±90°
Camera	No integrated camera
Languages	11 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese, S-Chinese and Russian)
Special features	4K Downscaling for Console HDR Support; AMD FreeSync™ Premium; Gaming Console Compatible; NVIDIA G-SYNC™; VESA Certified AdaptiveSync; VESA ClearMR 6000 certified; Windows Dynamic Lighting

Connectivity and communications

Port and connectors	2 HDMI 2.0 1 DisplayPort™ 1.4 1 x 3.5 mm Audio Jack (Audio Out) 2 USB Type-A 5Gbps signaling rate 1 USB-B
HDCP	Yes, DisplayPort™ and HDMI
Power supply	100 - 240 VAC 50/60 Hz (Internal)
Power consumption	106 W (maximum); 26 W (typical)




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Specifications

Appearance

Product color	Black
Stand color	Black
Detachable stand	Yes
Base area footprint	24.98 x 19.58 cm
Dimensions without Stand (W x D x H)	55.84 x 51.5 x 32.89 cm (without stand)
Dimensions with stand (W x D x H)	55.84 x 20.52 x 46.93 cm
Weight	6.7 kg (with stand); 4.63 kg (without stand)
Packaged Dimensions (W x D x H)	62.6 x 12.6 x 40.1 cm
Packaged weight	9.65 kg

Certification and compliance

Energy efficiency class	E 
On mode power demand in Standard Dynamic Range (SDR)	18 W
On mode power demand in High Dynamic Range (HDR) mode	27 W
Standby mode power demand	0.5 W
Ecolabels	CEL Grade 2; Ukraine EE; Korea MEPS; California CEC
Sustainable impact specifications	Low halogen; 80% post-consumer recycled plastic; Contains ocean-bound plastic; Contains 20% recycled glass in the monitor panel; Outside box and corrugated cushions are 100% sustainably sourced or recyclable; At least 10% recycled metal including 90% recycled aluminum and 10% recycled steel in the stand ^{4,5,6,7,8}
Certifications	Australian-New Zealand MEPS; BIS; BSMI; CB; CCC; CE; CEL; cTUVus; EAC; FCC; ICES; ISO 9241-307; KC; KCC; NOM; PSB; TUV-S; VCCI; Vietnam MEPS; WEEE; ISC; WW application; ICE; UAE; Ukraine certificates; NRCS; UAE RoHS
Microsoft WHQL certification	Windows 11; Windows 10 ¹⁴
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: BG1M4AA#ABB;; #A2N; #ABT; #ABU; #ABV; #ABY; #ACQ; #UUG; #UUZ; UPC code: (ABB) 199251067068; (ABU) 199251067105
Manufacturer Warranty	HP standard one-year limited warranty
What's in the box	Monitor; DisplayPort™ cable; HDMI cable; Warranty card; USB Type-B to A cable; AC power cable; Quick Setup Poster; Cable holder; Color calibration report; Headphone hook; VESA cover ³
Country of origin	Made in China & Thailand

Logistic information

Pallet weight	Slip sheet: 434.25 kg (20 ft, 40 ft) 521.1 kg (40 HQ) Pallet: 447.25 kg (20 ft, 40 ft, 40 HQ)
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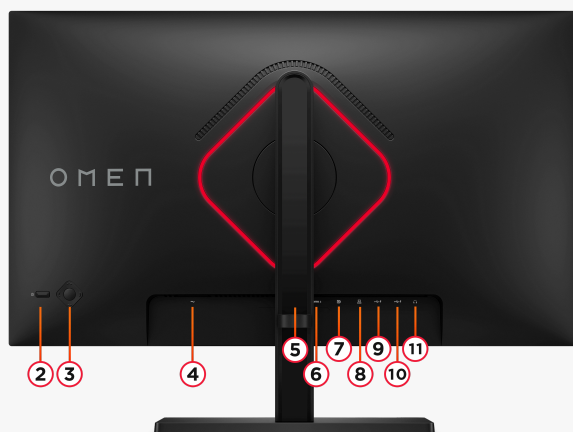


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Product walkaround



1. Power LED



- 2. Power button
- 3. Joypad OSD button
- 4. Power connector
- 5. HDMI 2.0 port
- 6. HDMI 2.0 port

- 7. 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 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.
- ³ 100% 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.
- ⁴ 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.
- ⁵ 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.
- ⁶ 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.
- ⁷ Recycling facilities not available in all locations.
- ⁸ Full high-definition (FHD) content is required to view FHD images.
- 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 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 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.
- ¹² 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>.

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 HDMI 2.0 and Displayport™ 1.4 required to drive panel at its native resolution. The video card of the connected PC must be capable of supporting 1920 x 1080 at 60 Hz with true 8-bit color using one HDMI or Displayport™.
- ³ Included cables may vary by country.
- ⁴ 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 imaging equipment, IEEE 1680.2
- ⁵ 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.
- ⁶ External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.
- ⁷ 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.
- ⁸ 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.
- ⁹ Host PC requires Windows 10. OMEN Gaming Hub is available on the Microsoft store.
- ¹⁰ 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>.
- ¹¹ 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).
- ¹² As defined in EU 2019/2021 and EU 2019/2013.
- ¹³ 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.
- ¹⁴ 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>.

