

OMEN 24 FHD 165Hz Gaming Monitor



Take your fun up a notch

Reach new possibilities with quick performance and vibrant color that lets you get lost in the game. This display has a sleek design and functions to look and feel great on your desk.

Product overview

- **No lag. All speed.** Frame by frame, experience all the action with no distractions. To keep things smooth, this display boasts a fast 165Hz refresh rate and 1ms response time to cut motion blur,⁽¹⁾ so every pixel keeps up with you. Leave screen tearing and lag in the dust, thanks to AMD FreeSync™ Premium technology.⁽²⁾
- **See a world you can step into:** Mistake virtual for IRL while you explore your favorite worlds. For lifelike gameplay, escape into a wide array of vibrant colors, hues, and shades with the 99% sRGB and 90% DCI-P3 color gamut.⁽¹⁾ Focus on the finer details from any angle, thanks to Full HD resolution⁽³⁾ and IPS panel technology.
- **Refine your play space:** Made to impress in and out of game, the new OMEN look blends sophistication and fun to elevate what a gaming setup can look like. It's equipped with ports perfect for connecting your gaming PC, console, and even a work PC. Thanks to the easy cable management and the adjustable stand, your desk will be just how you like it.
- **All your fun, custom:** Play around with every possible setting in OMEN Gaming Hub—a one-stop shop for customizing your ecosystem.⁽⁶⁾ Make your monitor, any PC, and select accessories work better together the way you want. From hardware to software enhancements, OGH elevates play in an easy and simple way.

Key specifications

- **Viewable image area:** 23.8 inch diagonally measured
- **Panel type:** IPS
- **Aspect ratio:** 16:9
- **Resolution:** FHD (1920 x 1080)⁽¹⁾⁽³⁾⁽⁸⁾
- **Connectivity:** DisplayPort™, HDMI, Audio out jack

HP Sustainability

- **Materials that matter:** Feel like you're making a difference in and out of the game with a purchase you feel good about. This display's plastics contain 85% post-consumer recycled plastics to help reduce the raw materials we use.⁽¹⁰⁾ It's all part of our commitment to helping our shared world.
- **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.⁽⁴⁾

Product features

- **FHD resolution:** 1920 x 1080 Full HD resolution on this 23.8 inch diagonal monitor.⁽³⁾
- **165Hz refresh rate:** For crisp action and responsive gameplay, this fast refresh rate⁽¹⁾ practically removes all artifacting and motion blurring.
- **More colors to play with:** Get deeper hues and a wide array of colors with 99% sRGB and 90% DCI-P3 for precisely recreated colors so lifelike you get lost in your gameplay.⁽¹⁾
- **1ms response time with overdrive:** Eliminates motion blur for crisp, fluid gameplay no matter what's happening on-screen.⁽¹⁾
- **AMD FreeSync™ Premium Technology:** Game confidently with a high refresh rate, low framerate compensation, and low latency.⁽²⁾
- **Plenty of ports:** Easily connect your devices with two HDMI 2.0 ports, one DisplayPort™ 1.4, and 3.5mm headphone jack.⁽⁵⁾
- **New design unlocked:** The new OMEN look blends sophistication and fun to elevate your gaming setup.
- **IPS Technology:** Image accuracy and consistency across wide 178-degree viewing angles, no matter where you stand.
- **VESA Certified Adaptive Sync:** 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.⁽¹⁴⁾
- **VESA Certified ClearMR Display:** 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.
- **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.
- **Adjustable stand:** Make your desk just how you like it with the adjustable stand. Find comfort while you game with tilt, pivot, and 100mm height adjustments.
- **HP Eye Ease with Eyesafe® Certification:** Keep your screentime comfortable with beautiful colors while reducing blue light.
- **OMEN Gaming Hub:** From software enhancements to hardware control, and live services, OGH elevates play in easy and simple way.⁽⁶⁾
- **Effortless Joypad OSD Button:** Easy on-screen display settings with the joypad OSD button.
- **Integrated Cable Management:** Cord and wire pass-through located on the display stand reduces cord-clutter and helps keep your workspace clean and organized.



Panel specifications

Display size	• 23.8 inch diagonally measured
Panel technology	• IPS
Maximum refresh rate	• 165 Hz
Panel bit depth	• True 8 bit
Aspect ratio	• 16:9
Brightness	• ≥ 300
Resolution	• Native: FHD (1920 x 1080) ⁽¹⁾⁽⁶⁾ • Maximum: FHD (1920 x 1080 @ 165Hz)
Contrast ratio	• Static: 1000:1 • Dynamic: 10M:1
Low-blue light	• HP Eye Ease (Eyesafe® Certified)
Flicker free	• Yes
Scan rate	• Horizontal: 30-210 kHz • Vertical: 60-165 Hz
Pixel pitch	• 0.275 x 0.275 mm • 93 PPI
Backlight	• Lamp life: 30K hrs • Type: Edge-lit
Screen treatment	• Anti-glare • 3H hardness • 25% Haze
Response time	• 5ms (typical) • 1ms GtG with overdrive ⁽¹⁾
Viewing angle	• Horizontal: 178° • Vertical: 178°
Synchronization technology	• AMD FreeSync™ Premium
Color	• Color gamut: 99% sRGB; 90% DCI-P3 ⁽¹⁾ • Up to 16.7 million colors supported

Monitor specifications

Bezel	• 3-sided borderless
Exterior color	• Bezel: Black • Stand: Black
Connectivity/ports	• 1 DisplayPort™ 1.4 • 2 HDMI 2.0 • HDCP support: DisplayPort™ and HDMI • 1 x 3.5 mm Audio Jack (Audio Out)
Special features	• Switch: Up/ Down/Left/ Right button, Menu button, Power button • 18 user pre-sets
Power	• Power supply: Internal • Power source: 100~240 VAC 50/60 Hz
VESA mounting	• 100 mm x 100 mm (bracket is included)
Height adjustable stand range	• 100 mm

Learn more at hp.com

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Tilt range	• -5° to +23°
Pivot	• ±90°
Detachable stand	• Yes
Languages	• 11 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese, S-Chinese and Russian)
On screen display	• User assignable function buttons: 4 with 8 options • Gaming, Image, Color, Input, Audio, Menu, Management, Information
Software	• OMEN Gaming Hub ⁽⁶⁾

Accessories & warranty

What's in the box	• Power cord • DP 1.4 cable • Warranty • Quick set up poster
Warranty	• Protected by a one-year HP limited warranty. Certain restrictions and exclusions apply. ⁽⁹⁾

Approvals & certifications

Agency approvals	• Microsoft WHQL Certification: Windows 11, Windows 10 • WW application • CE,CB,KC/KCC/NOM/PSB/ICE/TUV-Bauart/ISO 9241-307/ • TUV flicker free/ TUV LBL/ BIS/ UAE safety/ UAE RoHS/ • Ukraine safety/ South Africa safety/ EAC/CSA/ISC/CCC/ • CEL/VCCI/FCC/BSMI/Vietnam MEPS/Australian-New • Zealand MEPS/WEEE/CEC
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Product/package specifications

Base area footprint	• 7.87 in x 7.48 in
Unpackaged dimensions	• 21.24 in x 7.81 in x 18.32 in
Unpackaged weight	• 14.0 lb
Packaged dimensions	• 23.43 in x 6.46 in x 16.02 in
Packaged weight	• 20.56 lb

Additional information

Product number	• 780D9AA#ABA
UPC Code	• 197029614254
Ad embargo date	• 5/28/2023
Country of origin	• China
Pallet information	• Dimensions: 47.24 in x 39.13 in x 85.83 in • Total weight: 1309 lb • Layers: 5 • Products per layer: 12 • Total products per pallet: 60

