

# OMEN 32q QHD 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 GTG response time with Overdrive to cut motion blur,<sup>(1)</sup> so every pixel keeps up with you. Leave screen tearing and lag in the dust, thanks to AMD FreeSync™ Premium technology.<sup>(2)</sup>
- **See a world you can step into:** Mistake virtual for IRL while you explore your favorite worlds with the crisp visuals of QHD resolution.<sup>(3)</sup> For lifelike gameplay, escape into a wide array of vibrant colors, hues, and shades with the 99% sRGB and 95% DCI-P3 color gamut. Even in shadow, easily make out details and shading with HDR and up to 400 nits of brightness.<sup>(1)</sup>
- **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.<sup>(6)</sup> 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:** 31.5 inch diagonally measured
- **Panel type:** IPS
- **Aspect ratio:** 16:9
- **Resolution:** QHD (2560 x 1440)<sup>(1)(3)(8)</sup>
- **Connectivity:** HDMI, DisplayPort™, 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.<sup>(10)</sup> It's all part of our commitment to helping our shared world.
- **Mindful metals:** Don't stop when it comes to accomplishing your goal, and we don't stop when it comes to protecting our shared future. That's why this monitor was engineered to contain 10% recycled metals.<sup>(12)</sup>
- **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.<sup>(4)</sup>

### Product features

- **QHD resolution:** Sharp details and captivating Quad HD definition on this 31.5 inch diagonal monitor.<sup>(3)</sup>
- **165Hz refresh rate:** For crisp action and responsive gameplay, this fast refresh rate<sup>(1)</sup> practically removes all artifacting and motion blurring.
- **HDR:** Explore new worlds in stunning contrast with HDR. With peak brightness of 400 nits, experience games how the developers intended with brighter whites, deeper blacks, and richer colors.<sup>(1)</sup>
- **More colors to play with:** Get deeper hues and more accurate colors with 99% sRGB and 95% DCI-P3 that precisely recreates colors so lifelike you will get lost in your gameplay.<sup>(1)</sup>
- **1ms GTG response time with Overdrive:** Eliminates motion blur for crisp, fluid gameplay no matter what's happening on-screen.<sup>(1)</sup>
- **AMD FreeSync™ Premium Technology:** Game confidently with a high refresh rate, low framerate compensation, and low latency.<sup>(2)</sup>
- **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.<sup>(14)</sup>
- **Plenty of ports:** Easily connect to your gaming and work PCs, console, and headset with two HDMI 2.0 ports, one DisplayPort™ 1.4, and one 3.5mm headphone jack.<sup>(5)</sup>
- **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 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.<sup>(11)</sup>
- **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 fully 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 an easy and simple way.<sup>(6)</sup>
- **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

<b>Display size</b>	• 31.5 inch diagonally measured
<b>Panel technology</b>	• IPS
<b>Curvature</b>	• Flat
<b>Maximum refresh rate</b>	• 165 Hz
<b>Panel bit depth</b>	• True 8 bit
<b>Aspect ratio</b>	• 16:9
<b>Brightness</b>	• ≥ 400
<b>Resolution</b>	• Native: QHD (2560 x 1440) <sup>(1)(8)</sup> • Maximum: QHD (2560 x 1440 @ 165Hz)
<b>Contrast ratio</b>	• Static: 1000:1 • Dynamic: 10M:1
<b>Low-blue light</b>	• HP Eye Ease (Eyesafe® Certified)
<b>Flicker free</b>	• Yes
<b>Scan rate</b>	• Horizontal: 30-255 kHz • Vertical: DP 60-165 Hz; HDMI 55-144 Hz
<b>Pixel pitch</b>	• 0.2724 x 0.2724 mm • 92 PPI
<b>Backlight</b>	• Lamp life: 30K hrs • Type: Edge-lit
<b>Screen treatment</b>	• Anti-glare • 3H hardness • 25% Haze
<b>Response time</b>	• 1ms GtG with overdrive <sup>(1)</sup>
<b>Viewing angle</b>	• Horizontal: 178° • Vertical: 178°
<b>Synchronization technology</b>	• AMD FreeSync™ Premium
<b>HDR support</b>	• HDR
<b>Color</b>	• Color gamut: 99% sRGB; 95% DCI-P3 <sup>(1)</sup> • Up to 16.7 million colors supported

## Monitor specifications

<b>Bezel</b>	• 3-sided borderless
<b>Exterior color</b>	• Bezel: Black • Stand: Black
<b>Connectivity/ports</b>	• 1 DisplayPort™ 1.4 • 2 HDMI 2.0 • HDCP support: DisplayPort™ and HDMI • 1 x 3.5 mm Audio Jack (Audio Out)
<b>Special features</b>	• Switch: Up/ Down/Left/ Right button, Menu button, Power button • 23 user pre-sets
<b>Power</b>	• Power supply: Internal • Power source: 100~240 VAC 50/60 Hz
<b>VESA mounting</b>	• 100 mm x 100 mm (bracket is included)

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<b>Height adjustable stand range</b>	• 100 mm
<b>Tilt range</b>	• -5° to +20°
<b>Pivot</b>	• ±90°
<b>Detachable stand</b>	• Yes
<b>Languages</b>	• 11 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese, S-Chinese and Russian)
<b>On screen display</b>	• User assignable function buttons: 4 with 8 options • Gaming, External Lighting, Image, Color, Input, Audio, Menu, Management, Information
<b>Software</b>	• OMEN Gaming Hub <sup>(6)</sup>

## Accessories & warranty

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

## Approvals & certifications

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

<b>Base area footprint</b>	• 8.85 in x 9.25 in
<b>Unpackaged dimensions</b>	• 28.09 in x 9.58 in x 24.36 in
<b>Unpackaged weight</b>	• 19.8 lb
<b>Packaged dimensions</b>	• 32.32 in x 6.85 in x 20.51 in
<b>Packaged weight</b>	• 29.6 lb

## Additional information

<b>Product number</b>	• 780K0AA#ABA
<b>UPC Code</b>	• 197029617699
<b>Ad embargo date</b>	• 5/28/2023
<b>Country of origin</b>	• China
<b>Pallet information</b>	• <b>Dimensions:</b> 41.5 in x 32.72 in x 87.64 in • <b>Total weight:</b> 744.96 lb • <b>Layers:</b> 4 • <b>Products per layer:</b> 6 • <b>Total products per pallet:</b> 24

