# HP X27q QHD Gaming Monitor

**All play, every play.**

We've redefined high definition gaming with IPS technology, 165Hz, 1ms response, AMD FreeSync™ Premium, and more colors than ever before.

## Product overview

- **Game in comfort:** TÜV Eyesafe® keeps high-energy blue light out and the color accuracy in. Customize your comfort with the adjustable stand.
- **Believing is seeing:** Immerse yourself in even more colors and catch all the action with ultra-wide viewing angles of an IPS display with HDR 400 in Quad HD (2560 x 1440).[1]
- **Smooth moves:** Live in the flow of 165Hz with a super fast 1ms response time and keep your gameplay smooth-as-silk with AMD FreeSync™ Premium.[2][3]
- **A display of responsibility:** Packaging is sustainably sourced and recyclable. Doing good never looked so good.[6]

## Key specifications

- **Viewable image area:** 27 inch diagonally measured
- **Panel type:** IPS
- **Aspect ratio:** 16:9
- **Resolution:** Quad HD (2560 x 1440)[1]
- **Connectivity:**
  1 x DisplayPort™ 1.4
  1 x HDMI 2.0

## Product features

- **165Hz refresh rate:** This lightning-fast refresh rate practically removes all artifacting and motion blurring for action that looks crisp and gameplay that feels incredibly responsive.[3]
- **1-millisecond response time with Overdrive:** How fast your pixels can react to changing frames is critical for fast-paced gaming, and a 1-millisecond response time ensures even the most action-packed moments are fluid, crisp, and free of motion blur.[3]
- **HDR 400:** Brighten your screen with a HDR 400 panel. Stream HDR games and movies with enhanced contrast on your HDR display, creating a vivid, lifelike visual experience.

## Additional product features

- **Step up to the best:** No matter where you stand, an HP IPS monitor delivers clear, vivid images. IPS technology ensures image accuracy and consistency across the ultra-wide viewing spectrum.
- **Eyesafe® Certified Display:** Eyesafe® certified displays meet TÜV low blue light requirements and Eyesafe® standards for protecting your eyes from harmful blue light without distorting colors. Monitors with integrated Eyesafe® displays help reduce eyestrain and improve eye comfort when gaming for long periods of time.
- **Adjust your view:** Adjust your screen's height for comfortable viewing with pivot and tilt capabilities.
- **Sustainably sourced packaging:** HP is innovating new ways to reduce the amount of materials in our packaging and to use more recycled materials in the design.[6]
- **QHD Display:** Get lost in the captivating definition and ultra-sharp details of 3.7 million pixels. The 2560 x 1440 resolution transforms all your content for a remarkable entertainment experience.[1]
- **AMD FreeSync™ Premium technology**: Game confidently with a high refresh rate, low framerate compensation, and low latency with AMD FreeSync™ Premium Technology.[2]
- **Console compatibility:** Easily connects with your favorite current and next gen gaming consoles – just plug and play.
- **Moving Picture Response Time:** Greatly reduces motion blur for a more fluid visual experience.
- **OMEN Gaming Hub:** OMEN Gaming Hub is your one place for everything to make your gaming experience better. From software enhancements to hardware control, and live services, OGH elevates play in easy and simple way.[8]
- **Highly accurate color:** With 99% sRGB color space, this HP display provides ideal color reproduction with minimal effort.[3] Perfect for photos, videos—all your creative projects.
- **Off the desk and on the wall:** The display is equipped with standard VESA mounting for showcasing on a wall or swivel arm.[7]

## Panel specifications

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|---|---|
| **Display size** | • 27 inch diagonally measured |
| **Panel technology** | • IPS |
| **Maximum refresh rate** | • 165 Hz[2] |
| **Panel bit depth** | • 10 bit (8 bit + FRC) |
| **Aspect ratio** | • 16:9 |
| **Brightness** | • 400 nits[2] |
| **Resolution** | • Native: Quad HD (2560 x 1440)[1]<br>• Maximum: 2560 x 1440 @165 Hz |
| **Contrast ratio** | • Static: 1000:1<br>• Dynamic: 10M:1[4] |
| **Low blue light** | • Yes (Eyesafe® and TÜV certified) |
| **Flicker free** | • Yes |
| **Scan rate** | • Horizontal: 30 KHz– 250 KHz (HDMI) and 30 KHz– 255 KHz (DP)[3]<br>• Vertical: 55Hz - 144Hz (HDMI) and 60Hz - 165Hz (DP)[3] |
| **Backlight** | • Lamp life: 30K<br>• Type: Edge-lit |
| **Screen treatment** | • Anti-glare<br>• 3H hardness<br>• 25% Haze |
| **Response time** | • 1ms GtG (with overdrive)[3] |
| **Viewing angle** | • Horizontal: 178°<br>• Vertical: 178° |
| **Variable refresh rate technology** | • AMD FreeSync™ Premium[2] |
| **HDR support** | • HDR 400 |
| **Color** | • Color gamut: 99% sRGB[3] |

## Monitor specifications

| | |
|---|---|
| **Bezel** | • 3-sided micro-edge |
| **Exterior color** | • Bezel: Black<br>• Stand: Black |
| **Connectivity/ports** | • 1 x DisplayPort™ 1.4<br>• 1 x HDMI 2.0<br>• HDCP support (HDMI and DisplayPort™)<br>• 1 line output (Audio) |
| **Power** | • Power supply: Internal<br>• Power source: 100 - 240 VAC 50/60 Hz |
| **VESA mounting** | • 100 mm x 100 mm (bracket not included) |
| **Height adjustable stand range** | • 100 mm |
| **Detachable stand** | • Yes |
| **Tilt range** | • –5 to +20 degrees |
| **Pivot** | • 90 degrees |

| | |
|---|---|
| **Swivel** | • No |
| **Languages** | • 10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese) |
| **On screen display** | • User programmable modes: 20<br>• User assignable function buttons: 3 (7 options) |
| **Software** | • OMEN Gaming Hub[8] |

## Accessories & warranty

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|---|---|
| **What's in the box** | • Power cord<br>• DisplayPort™ cable<br>• Quick Setup poster<br>• Document kit |
| **Warranty** | • Protected by a one-year HP limited warranty. Certain restrictions and exclusions apply.[5] |

## Approvals & certifications

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|---|---|
| **Agency approvals** | • Microsoft WHQL Certification<br>• WW application<br>• CE,CB,KC/KCC/BIS/PSB/ICE/TUV-S/ISO 9241-307/ EAC/ cTUVus/PSB/ISC/CCC/CEL/ISC/VCCI/FCC/BSMI/Vietnam MEPS/RCM/WEEE/S. Africa NRCS/Ukraine//TUV-GS/ UAE/Mexico energy/Belarus Energy/Eye safe certificate |

## Product/package specifications

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|---|---|
| **Base area footprint** | • 8.44 in x 8.33 in<br>• 214.5 cm x 211.5 cm |
| **Unpackaged dimensions** | • 24.15 in x 8.33 in x 20.17 in<br>• 61.35 cm x 21.15 cm x 51.24 cm |
| **Packaged dimensions** | • 27.09 in x 8.86 in x 17.32 in<br>• 68.8 cm x 22.5 cm x 44 cm |
| **Unpackaged weight** | • 13.89 lb<br>• 6.3 kg |
| **Packaged weight** | • 21.38 lb<br>• 9.7 kg |

## Additional information

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|---|---|
| **Product number** | • 2V7U3AA#ABA |
| **UPC Code** | • 195161915208 |
| **Ad embargo date** | • 5/30/2021 |
| **Country of origin** | • China |
| **Pallet information** | • **Dimensions:** 45.07 in x 27.6 in x 74.92 in<br>• **Total weight:** 518.97 lb<br>• **Layers:** 4<br>• **Products per layer:** 5<br>• **Total products per pallet:** 20 |

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