

OMEN 27 Display



Become Lightning

Dominate fast-paced combat with a lightning fast 165Hz refresh rate and NVIDIA G-SYNC™ technology. Now you can savor every triumph, without missing a single detail.

Product overview

- **Victory at the speed of you:** Dodge the hook. Steal the objective. Explode with high voltage. 165Hz refresh rate and a 1ms response time reduce input lag and jumpstart the fury you bring to each match.⁽²⁾
- **Clutch moves. Smooth gameplay.** NVIDIA G-SYNC™ technology creates a direct link between the graphics card and display, making each shot second nature without the fear of tearing and blurring.
- **Find your vantage point:** Get comfortable for your rise up the leaderboards. Easily tilt, swivel, and adjust the display's height while ambient lighting illuminates the base, helping ensure eye comfort.

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.⁽²⁾
- **NVIDIA® G-SYNC:** By synchronizing the refresh rates of your GPU and display, NVIDIA G-SYNC™ technology delivers gameplay that's sharp, fluid, and stutter-free with minimal input lag.
- **QHD Display:** Ultra-sharp details and captivating definition with 3.7 million pixels.⁽¹⁾
- **TN panel:** Low pixel latency and snappy response times with this TN panel.
- **1ms response time with Overdrive:** Crisp action and incredibly responsive gameplay with virtually no artifacting or screen tearing.⁽²⁾
- **Ambient lighting:** A soft glow cast onto the base and stand diffuses the bright light of the display.
- **Height adjustment stand:** Stand allows 130mm of smooth, precise height adjustment so your display is always in the most comfortable position, no matter who is viewing it.
- **Built-in headphone hook:** When you're done gaming with your friends, store your headset in a safe place.
- **Extensive port connectivity:** HDMI, DisplayPort™ and a USB 3.0 hub deliver advanced connectivity for the latest hardware and accessories.
- **Low Blue Light:** Put less strain on your eyes by softening the blue light from your display.
- **Included headphone jack:** Easily plug in your headphones for a more lifelike experience.

Key specifications

- **Display size:** 27-inch (diagonal)
- **Aspect ratio:** 16:9
- **Response time:** 1ms GtG
- **Contrast ratio:**
Static: 1000:1
Dynamic: 10M:1⁽⁵⁾
- **Resolution:** 2560 x 1440 (QHD)⁽¹⁾
- **Connectivity:**
1 x DisplayPort™ 1.2
1 x HDMI 2
2 x USB 3.0 ports
- **Exterior color:** Licorice black

Environmentally conscious

- Energy efficient components such as mercury-free display backlighting, low halogen design, arsenic-free display glass, and recyclable packaging.
- All HP computing products are delivered by SmartWay carriers. (US only)⁽⁷⁾

Warranty and support

- **Peace of mind coverage:** Rest easy and work confidently with an HP standard 1 year limited warranty. Certain restrictions and exclusions apply.⁽⁴⁾

Monitor specifications

Panel type	• TN w/LED backlight
Visible screen size	• 27-inch (diagonal)
Viewing angle	• Horizontal: 170° • Vertical: 160°
Surface treatment:	• Anti-Glare
Resolution (recommended)	• 2560 x 1440
Aspect ratio	• 16:9
Contrast ratio	• Static: 1000:1 • Dynamic: 10M:1 ⁽⁵⁾
Brightness (typical)	• 350 nits ⁽²⁾
Color gamut	• 72%
Color support	• Up to 16.7 million colors with the use of FRC technology
Pixel pitch	• 0.233 x 0.233 mm • 108.97 PPI
Panel active area	• 596.74 mm (H) x 335.66 mm (V)
Scan range	• Horizontal: 34k-222kHz (DP) Overclock off 34k-240kHz (DP) Overclock on 30k-140kHz (HDMI) • Vertical: 30-144Hz (DP) Overclock off 30-165Hz (DP) Overclock on 24-60Hz (HDMI)
Response time	• 1ms GtG ⁽²⁾
Connectivity	• 1 x DisplayPort 1.2 • 1 x HDMI • HDCP support (DP and HDMI) • 1 Audio output
USB	• 2 x USB 3.0
Power supply	• External
Maximum power consumption	• 75W
Energy saving/standby mode	• 0.5W
Tilt	• -5° to +23°
Height adjustable stand	• Yes
Base area footprint	• 10.29 in x 10.29 in
Unpackaged dimensions	• 24.16 in (W) x 10.73 in (D) x 21.07 in (H)
Unpackaged weight	• 14.29 lb
Packaged dimensions	• 29.76 in (W) x 10.55 in (D) x 18.98 in (H)
Packaged weight	• 23.1 lb

Certifications	• Microsoft WHQL Certification: Windows 7, 8, 8.1, 10 • WW application CE, CB, KC/KCC/NOM/PSB/ICE/TUV-S/ISO 9241-307/ EAC/UL/CSA/PSB/ISC/CCC/CEL/CECP/SEPA/TCO/TCO Certified Edge/ISC/VCCI/FCC/BSMI/Vietnam MEPS/Australian-New Zealand MEPS/WEEE
Audio	• 1 x Audio output
On screen display	• Luminance, Color Control, Input Control, Image Control, Power Control, Menu Control, Management, Ambient Lighting, Language, Information, Exit • Menu, Minus ("−") /Viewing Modes, Plus ("+") /Luminance, Back, Power
Languages	• 10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)

Environmental features

LED backlights	• Mercury-free LED backlighting
Backlight lamp life	• 30K hours
Arsenic-free	• Arsenic-free display glass ⁽³⁾
Low halogen	• Low-voltage halogen design ⁽³⁾

Accessories & warranty

Supplied accessories	• Adapter • HDMI cable (1.8m) 5.9ft • DP cable (1.8m) 5.9ft • USB 3.0 upstream cable • CD (includes user guide and warranty)
Limited warranty	• Protected by a one-year HP limited warranty. Certain restrictions and exclusions apply. ⁽⁴⁾

Additional information

Product number	• Z4D33AA#ABA
Ad embargo date	• 5/28/17
UPC Code	• 190780749487
Country of origin	• China
Tariff number	• 8528510000
Pallet information	• Dimensions: 42.2 in (L) x 29.8 in (W) x 4.7 in (H) • Total weight: 396.5 lbs • Layers: 4 • Products per layer: 4 • Total products per pallet: 16

Learn more at hp.com

⁽¹⁾ QHD content required to view QHD images. ⁽²⁾ All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

⁽³⁾ Plastic parts incorporated into the chassis generally contain < 1000 ppm (0.1%) of bromine or chlorine. Printed circuit board and substrate laminates generally contain < 1500 ppm (0.15%) of total bromine and chlorine. Service parts after purchase may not be BFR/PVC-free. External accessories, including power supplies, power cords, and peripherals are not BFR/PVC-free. Arsenic and its compounds were not detected using U.S. EPA test methods 3052/6010b by ICP-AES with a Method Detection Limit of 10 ppm. Low-halogen except for adapter and cord. ⁽⁴⁾ Standard parts-and-labor hardware 1-year warranty. See www.hp.com/go/support for details.

⁽⁵⁾ Dynamic Contrast Ratios during video playback only, depending on series of frames or time duration. ⁽⁷⁾ Designation based on actions to reduce transportation-related emissions.

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