

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.

© Copyright 2017 HP Development Company, LP. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing shall be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein. Actual product may vary from image shown. 04/24_r2 tg

