

OMEN X by HP 35 Curved Display



MASSIVE. CURVED. GAME-CHANGER.

Immersive is an understatement—this curved 35-inch diagonal display surrounds your field of vision, while letting gamers experience the full potential of their rig.

Product overview

- **Get lost in the game:** See what your graphics card is really made of on this curved 35-inch diagonal UWQHD 21:9 display.⁽¹⁾ With 34% more screen real estate than a 16:9 QHD display and high-caliber contrast ratio, nothing escapes your vision.⁽²⁾
- **Maximum agility:** Never let a display disrupt your winning streak again. Enjoy smooth, stutter-free visuals that respond as fast as you do thanks to a 100Hz refresh rate⁽²⁾ and NVIDIA G-SYNC™ technology, which seamlessly links your graphics card and display.
- **Never stop gaming:** A height adjustable display with ambient lighting delivers maximum comfort so you can outlast every opponent.

Product features

- **Ambient lighting:** Customize the lighting color to match the system lighting on your PC, keyboard, and mouse.
- **Built-in headphone hook:** When you're done gaming with your friends, store your headset in a safe place.
- **100Hz refresh rate:** Enjoy smooth gameplay with a 100Hz refresh rate that gives you clear details and minimal interruption.⁽²⁾
- **2,500:1 contrast ratio:** Enjoy truer blacks that add more depth to shadows and dimly lit scenes.⁽²⁾
- **Height adjustment stand:** Easily adjust your display to the most comfortable position with 130 mm range of travel.
- **4ms response time with overdrive:** Eliminates motion blur for crisp, fluid gameplay no matter what's happening on-screen.⁽²⁾
- **NVIDIA® G-SYNC:** This technology synchronizes GPU and display refresh rates for sharp, stutter-free gameplay.
- **Ultra WQHD Curved Display:** Be surrounded by 5 million pixels of captivating definition, for completely immersive entertainment.⁽¹⁾
- **1,800R curved display:** A deeper curve delivers an incredibly realistic experience and more expansive field of view.
- **Micro-edge display:** With virtually no bezel encircling the display, an ultra-wide viewing experience provides for seamless multi-monitor set-ups.
- **Extensive port connectivity:** HDMI, DisplayPort™ and a USB 3.0 hub deliver advanced connectivity for the latest hardware and accessories.

Key specifications

- **Display size:** 35.03-inch (diagonal)
- **Aspect ratio:** 21:9
- **Contrast ratio:**
Static: 2500:1
Dynamic: 10M:1⁽⁵⁾
- **Resolution:** UWQHD (3440 × 1440)
- **Connectivity:**
1 × DisplayPort™ 1.2
1 × HDMI 1.4
3 × 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.

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

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|-----------------------------------|--|
| Panel type | • AMVA+ w/LED backlight |
| Panel active area | • 819.408 mm x 345.888 mm |
| Display size | • 35.03-inch (diagonal) |
| Viewing angle | • Horizontal: 178° • Vertical: 178° |
| Scan range | • Horizontal: DP: 73-151KHz; HDMI: 30-140 KHz • Vertical: DP: 30-100Hz; HDMI: 24-60Hz |
| Surface treatment: | • Anti-Glare |
| Resolution (recommended) | • DP Opt. 3440 × 1440 (60 Hz) • HDMI Opt. 3440 × 1440 (50 Hz) |
| Aspect ratio | • 21:9 |
| Contrast ratio | • Static: 2500:1 • Dynamic: 10M:1 ⁽⁵⁾ |
| Brightness (typical) | • 300 nits |
| Color gamut | • sRGB 100% |
| Color support | • Up to 16.7 million colors with the use of FRC technology |
| Pixel pitch | • 0.2382 mm x 0.242 mm • 106 PPI |
| Response time | • 4ms GTG |
| Connectivity | • 1 x DisplayPort 1.2 • 1 x HDMI 1.4 |
| Audio | • 1 x Audio output • 1 x headphone jack |
| USB | • 3 x USB 3.0 (3 downstream and 1 upstream) |
| Power supply | • External |
| Maximum power consumption | • 120W |
| Energy saving/standby mode | • 0.5W |
| Tilt | • -5 to +23 degrees |
| Height adjustable stand | • Range 130 mm |
| Base area footprint | • 12 in x 12 in |
| Detachable stand | • Yes |
| VESA mounting | • VESA mount bracket included |
| Security lock ready | • Yes |
| Unpackaged dimensions | • 32.80 in (W) x 12.95 in (D) x 16.14 in (H) |
| Unpackaged weight | • 26.55 lb |
| Packaged dimensions | • 39.61 in (W) x 21.46 in (D) x 16.22 in (H) |
| Packaged weight | • 44.48 lb |
| Languages | • 10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese) |

| | |
|--------------------------|--|
| Certifications | <ul style="list-style-type: none"> • Microsoft WHQL Certification: Windows 7, 8, 10 • CE,CB,KC/MSIP/PSB/cTUVusMexico COC/ICES/TUV-GS/TUV-S/ISO 9241-307/EAC/cTUVus/CCC/CEL/CECP/SEPA/ISC/VCCI/FCC/BSMI/WEEE |
| On screen display | <ul style="list-style-type: none"> • Brightness, Contrast, Color Control, Input Control, Image Control, Power Control, Menu Control, Management, Language, Volume, Information, Exit • Monitor Control Buttons: Menu, Minus ("−"), Plus ("+") /Input Control, OK/Auto, Power • Volume control |

Environmental Features

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|----------------------------|---|
| LED Backlights | • Mercury-free LED backlighting |
| Backlight Lamp Life | • 30K hours |
| Arsenic-Free | • Arsenic-free display glass ⁽⁶⁾ |
| Low Halogen | • Low-voltage halogen design ⁽⁵⁾ |

Accessories & Warranty

| | |
|-----------------------------|--|
| Supplied Accessories | <ul style="list-style-type: none"> • AC power cord (1.9m) 6.2 ft • HDMI 2.0 cable (1.8m) 5.9 ft • USB 3.0 type A to B cable (1.8m) 5.9 ft • DP Cable (1.8m) 5.9 ft • External power adapter 180w • CD (includes user guide, warranty, drivers) |
| Limited Warranty | • Protected by a one-year HP limited warranty. Certain restrictions and exclusions apply. ⁽⁴⁾ |

Additional Information

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|---------------------------|---|
| Product Number | • X3W57AA#ABA |
| Ad Embargo Date | • 3/12/17 |
| UPC Code | • 889899871560 |
| Country of Origin | • China |
| Tariff Number | • 8528510000 |
| Pallet Information | <ul style="list-style-type: none"> • Dimensions: 49.2 in (L) x 40. in (W) x 70.1 in (H) • Total weight: 444.39 lbs • Layers: 3 • Products per layer: 3 • Total products per pallet: 9 |

Learn more at hp.com

⁽¹⁾ Ultra Wide QHD (Quad High Definition) content required to view UWQHD 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.

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