

# OMEN X 25f Display

## 240Hz Gaming Display with Adaptive Sync



**Our fastest display. Your fiercest advantage.**

Are you ready for true competition? The OMEN X 25f Display was designed specifically for esports, with specs that give you an almost unfair advantage.

### Product overview

- When you're fast, you're first:** Critical moments call for critical details. With a whopping 240Hz refresh rate, this 24.5-inch diagonal display is 4X faster than traditional 60Hz monitors. And a 1ms response time lets you respond to on-screen action before your opponent knows what hit them.<sup>(4)</sup>
- Stutter no more:** Adaptive Sync technology eliminates troublesome symptoms by creating a direct link between the graphics card and the display—removing the fear of tearing and blurring that would impact your game. This allows the display to work with AMD FreeSync™ and is an NVIDIA® G-SYNC™ compatible display.<sup>(2)</sup>
- Designed for action:** Comfort is optimized with an adjustable display that adapts to your ideal height and angle, plus ambient lighting that reduces eye strain. And with its micro-edge bezel, everything on-screen feels expansive and immersive.

### Key specifications

- Viewable image area:** 24.5-inch diagonal
- Aspect ratio:** 16:9
- Contrast:** Dynamic Ratio 12M:1<sup>(3)</sup>
- Resolution:** 1920 x 1080 @ 60Hz<sup>(7)</sup>
- Connectivity:**
  - 1 x DisplayPort™ 1.2
  - 2 x HDMI 2.0
  - 2 x USB 3.0
- Exterior color:** Black

### Product features

- AMD FreeSync™ technology:** See and feel the difference of fluid, responsive gameplay. By synchronizing the refresh rate with your GPU, AMD FreeSync™ makes display stutter, input lag, and screen tears ancient history.<sup>(2)</sup>
- NVIDIA® G-SYNC™ compatible:** 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.
- 1ms response time with Overdrive:** How fast your pixels can react to changing frames is critical for fast-paced gaming, and a 1ms response time ensures even the most action-packed moments are fluid, crisp, and free of motion blur.<sup>(4)</sup>

### Additional product features

- Height adjustment stand:** Easily adjust your display to the most comfortable position with 100 mm range of travel.
- Ambient lighting:** Say goodbye to late-night eye fatigue. Adjustable to match the color of your PC or what's on screen, ambient lighting casts a glow onto the base and stand diffusing the bright light of the display.
- Micro-edge display:** With virtually no bezel encircling the display, an ultra-wide viewing experience provides for seamless multi-monitor set-ups.
- Visibly brilliant detail:** With 400 nits of brightness, view beautiful details, enhanced image quality, and distinct shades of color—even in bright lighting conditions.<sup>(4)</sup>
- Highly accurate color:** With the standard 100% sRGB color space, this HP display provides ideal color reproduction with minimal effort. Perfect for photos, videos—all your creative projects.<sup>(4)</sup>
- TN panel:** Enjoy the latest action movie or high-octane video game with the low pixel latency and snappy response times of this TN panel.
- Dual HDMI / DisplayPort / 2 USB:** With DisplayPort™, Dual HDMI, and 2 USB you'll get all the ports you need to easily connect your device for big screen entertainment.
- FHD display / 1080p display:** Be prepared for brilliant visuals and crisp images with the unforgettable quality of this stunning FHD display.<sup>(1)</sup>
- Outshine the competition:** Customize picture mode, RGB lighting, FPS counter and response time using OMEN Command Center software.

### Environmentally conscious

- Energy efficient design and components help reduce power consumption and energy costs.

### Warranty and support

- Rest easy and work confidently with an HP standard 1 year limited warranty. Certain restrictions and exclusions apply. See [www.HP.com/go/support](http://www.HP.com/go/support) for details.

## Monitor specifications

<b>Panel type</b>	• TN
<b>Viewable image area</b>	• 24.5-inch display, diagonally measured
<b>Viewing angle</b>	• Horizontal: 170° • Vertical: 160°
<b>Surface treatment</b>	• Anti-Glare panel
<b>Bezel</b>	• 3-sided micro-edge
<b>Recommended resolution</b>	• 1920 x 1080 @ 60Hz <sup>(7)</sup>
<b>Maximum resolution</b>	• 1920 x 1080 @ 240Hz
<b>Panel bit depth</b>	• True 8-bit
<b>Aspect ratio</b>	• 16:9
<b>Contrast ratio</b>	• Static Ratio: 1000:1 • Dynamic Ratio: 12M:1 <sup>(3)</sup>
<b>Brightness (typical)</b>	• 400 nits <sup>(4)</sup>
<b>Color space</b>	• 100% sRGB
<b>Low blue light mode</b>	• Yes
<b>Color support</b>	• 16.7 million colors
<b>Pixel pitch</b>	• 0.283 (H) mm x 0.280 (V) mm • 89.7 PPI
<b>Panel active area</b>	• 21.4 in x 11.91 in • 543.744 mm x 302.616 mm
<b>Scan range</b>	• <b>Horizontal:</b> 30 to 255 KHz • <b>Vertical:</b> 48 to 240Hz
<b>Response time</b>	• 1ms with OverDrive <sup>(4)</sup> • 3ms on/off
<b>Variable sync support</b>	• NVIDIA® G-SYNC™ Compatible and AMD FreeSync™ <sup>(2)</sup>
<b>Connectivity</b>	• 2 x HDMI 2.0 • 2 x USB 3.0 • 1 x DisplayPort™ 1.2 • 1 x Audio output (digital, headphone) • HDCP support
<b>Power supply</b>	• External
<b>Energy saving/standby mode</b>	• 0.5W
<b>Tilt</b>	• -5 to +23 degrees
<b>Height adjustable base</b>	• Range: 0 to 130 mm • Adjustable: 130 mm
<b>Base area footprint</b>	• 10.29 in x 10.29 in • 26.14 cm x 26.14 cm
<b>Detachable base</b>	• Yes, ships attached
<b>VESA mounting</b>	• Yes, mounting plate included
<b>Security lock ready</b>	• Yes
<b>Unpackaged dimensions</b>	• 21.95 in (W) x 10.73 in (D) x 19.28 in (H) • 55.75 cm (W) x 27.25 cm (D) x 48.96 cm (H)
<b>Unpackaged weight</b>	• 13.58 lb • 6.16 kg

<b>Packaged dimensions</b>	• 25.98 in x 13.07 in x 18.62 in • 66.00 cm x 33.20 cm x 47.30 cm
<b>Packaged weight</b>	• 20.41 lb • 9.26 kg
<b>On screen display</b>	• <b>User controls:</b> Gaming, Color, Image, Input, Power, Menu, Management, Information, Exit • <b>User programmable modes:</b> 10 • <b>Monitor control buttons:</b> Power, 5-in-1 joystick control - Menu/OK, Plus button/Up, Minus button/Down, Exit/Back • <b>User assignable function buttons:</b> 4 with 9 options
<b>Languages</b>	• English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese
<b>Certifications</b>	• Windows 10, 8, 7 Microsoft WHQL Certification • WW application • CE,CB,KC/KCC/NOM/PSB/ICE/TUV-S/ISO 9241-307/EAC/UL/CSA/PSB/ISC/CCC/CEL/CECP/SEPA/ISC/VCCI/FCC/BSMI/Vietnam MEPS/Australian-New Zealand MEPS/WEEE

## Environmental features

<b>LED backlights</b>	• Mercury-free LED backlighting
<b>Backlight lamp life</b>	• 30K hours
<b>Arsenic-free</b>	• Arsenic-free display glass <sup>(6)</sup>
<b>Low halogen</b>	• Low-voltage halogen design <sup>(5)</sup>

## Accessories & warranty

<b>What's in the box</b>	• A/C power cable 1.9 m (6.0 ft) • A/C power adapter • DisplayPort cable 1.8 m (5.9 ft) • USB 3.0 Type A to B adapter • Quick set up poster • Service phone list card • Warranty
<b>Limited warranty</b>	• HP standard 1 year limited warranty. Certain restrictions and exclusions apply. See <a href="http://www.HP.com/go/support">www.HP.com/go/support</a> for details.

## Additional information

<b>Product number</b>	• 4WH47AA#ABA
<b>Ad embargo date</b>	• 06/23/2019
<b>UPC Code</b>	• 193015261778
<b>Country of origin</b>	• China
<b>Tariff number</b>	• 8528520000
<b>Pallet information</b>	• <b>Dimensions:</b> A: 52.0 in x 39.2 in x 4.7 in B: 52.0 in x 26.0 in x 4.7 in • <b>Total weight:</b> A: 533.5 lb / B: 375.0 lb • <b>Layers:</b> 4 • <b>Products per layer:</b> A: 6 / B: 4 • <b>Total products per pallet:</b> A: 24 / B: 16

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<sup>(1)</sup> Full high-definition (FHD) content is required to view FHD images. <sup>(2)</sup> FreeSync™ is only available when it is connected on Display Port. FreeSync is an AMD® technology is enabled on FHD or QHD displays and is designed to eliminate stuttering and/or tearing in games and videos by locking a display's refresh rate to the frame rate of the graphics card. AMD Radeon Graphics and/or AMD A-Series APU-compliant monitors with DisplayPort/HDMI Adaptive-Sync required. AMD 15.11 Crimson driver (or newer) required to support FreeSync over HDMI. Adaptive refresh rates vary by monitor. More information is available at [www.amd.com/freesync](http://www.amd.com/freesync). <sup>(3)</sup> Dynamic Contrast Ratios during video playback only, depending on series of frames or time duration. <sup>(4)</sup> All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. <sup>(5)</sup> External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen. <sup>(6)</sup> 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. <sup>(7)</sup> The video card of the connected PC must be capable of supporting 1920 x 1080 at 60 Hz and include 1 DisplayPort or 1 HDMI output to drive the monitor at the Preferred Resolution. <sup>(8)</sup> Warranty may vary by country. See [www.HP.com/go/support](http://www.HP.com/go/support) for details.

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