



# OMEN X 25f 240Hz Gaming Display with Adaptive Sync

Strike first. Take first.

Are you ready for true competition? The OMEN X 25f 240Hz Gaming Display with Adaptive Sync was designed specifically for esports, with specs that give you an almost unfair advantage. A lightning-fast 240Hz refresh rate<sup>1</sup> and a 1ms response time<sup>1</sup> mean your grind to the top just got a whole lot easier.



## When you're fast, you're first

Critical moments call for critical details. With a whopping 240Hz refresh rate<sup>1</sup>, this 62.23 cm (24.5") diagonal display is 4x faster than traditional 60Hz monitors. And a 1ms response time<sup>1</sup> lets you respond to on-screen action before your opponent knows what hit them.

## 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.

## 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.

<sup>1</sup> All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

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## Featuring

### 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.

### 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.

### Height adjustment stand

Gas piston design allows -5 to +23° tilt and 130mm of smooth, precise height adjustment so your display is always in the most comfortable position, no matter who is viewing it.

### 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.

### Outshine the competition

Customize the picture mode, RGB lighting, FPS counter and response time using OMEN Command Center software.

### 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.

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<sup>2</sup> FreeSync™ is only available when it is connected on DisplayPort or HDMI. 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).

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<b>Display size</b>	62.23 cm (24.5")
<b>Aspect ratio</b>	16:9 <sup>1</sup>
<b>Display type</b>	TN with LED backlight
<b>Pixel pitch</b>	0.283 mm <sup>4</sup>
<b>Response time</b>	3 ms on/off; 1 ms (with overdrive)
<b>Brightness</b>	400 cd/m <sup>2</sup> <sup>1</sup>
<b>Contrast ratio</b>	1000:1 static; 12000000:1 dynamic <sup>1</sup>
<b>Viewing angle</b>	160° vertical; 170° horizontal
<b>Product color</b>	Black
<b>Resolution</b>	FHD (1920 x 1080 @ 240 Hz) <sup>4</sup>
<b>Resolution note (native with speed)</b>	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.
<b>Resolutions supported</b>	1024 x 768; 1280 x 1024; 1280 x 720; 1280 x 800; 1440 x 900; 1600 x 900; 1680 x 1050; 1920 x 1080; 640 x 480; 720 x 480; 800 x 600
<b>Display scan frequency (horizontal)</b>	Up to 255 kHz
<b>Display scan frequency (vertical)</b>	Up to 240 Hz
<b>Display features</b>	Anti-glare; On-screen controls; Plug and Play; User programmable; AMD FreeSync™; NVIDIA G-SYNC™
<b>Display Input Type</b>	1 DisplayPort™ 1.2 in (with HDCP support); 2 HDMI 2.0 (with HDCP support)
<b>Physical security features</b>	Security lock-ready <sup>3</sup>
<b>Display moving angle</b>	Tilt: -5 to +23°
<b>Environmental specifications</b>	Arsenic-free display glass; Low halogen; Mercury-free display backlights
<b>Energy efficiency</b>	Energy efficiency class: A; On-mode power consumption: 21 W; Annual energy consumption: 30 kWh; Standby: 0.34 W; Power consumption (on-mode): 21 W; Power consumption (off-mode): 0.22 W
<b>Display User Control Options</b>	Back; Color control; Down; Exit; Gaming; Image control; Information; Input control; Management; Menu; Minus; OK; Plus; Power
<b>External I/O ports</b>	1 analog and digital audio-out; 2 USB 3.0
<b>Product dimensions</b>	55.75 x 9.87 x 33.06 cm Without stand. 55.75 x 27.25 x 48.96 cm With stand
<b>Weight</b>	6.16 kg
<b>Operating temperature range</b>	5 to 35°C
<b>Operating temperature range</b>	41 to 95°F
<b>Operating humidity range</b>	20 to 80% RH
<b>Certifications and compliances</b>	Australian-New Zealand MEPS; BSMI; CB; CCC; CE; CECP; CSA; EAC; FCC; ICES; ISO 9241-307; KC/KCC; NOM; PSB; SEPA; TUV-S; UL; VCCI; Vietnam MEPS; WEEE; ISC; Low blue light
<b>Power supply</b>	input voltage 100 to 240 VAC
<b>Warranty</b>	2 year parts and labour limited warranty.
<b>What's in the box</b>	AC power cord; DisplayPort™ cable; USB cable; USB Type-A to B cable
<b>VESA mount</b>	VESA mount compatible (mounting plate ships in the box)
<b>Country of origin</b>	Made in China
<b>Product number</b>	4WH47AA
<b>Ordering info</b>	4WH47AA#A2N: 193015261891 ; 4WH47AA#ABB: 193015261815 ; 4WH47AA#ABT: 193015261853 ; 4WH47AA#ABU: 193015261822 ; 4WH47AA#ACQ: 193015261860 ; 4WH47AA#UUG: 193015261884 ; 4WH47AA#UUZ: 193015261839

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<sup>3</sup> Lock is sold separately.

<sup>4</sup> Can reach 240Hz only when the display is connected with DisplayPort and with overlocking hardware.

