



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 rate¹ and a 1ms response time¹ mean your grind to the top just got a whole lot easier.



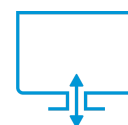
240Hz

When you're fast, you're first

Critical moments call for critical details. With a whopping 240Hz refresh rate¹, this 62.23 cm (24.5") diagonal display is 4x faster than traditional 60Hz monitors. And a 1ms response time¹ 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.

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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.

² 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.

³ 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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Display size	61 cm (24")
Aspect ratio	16:9 ¹
Display type	TN with LED backlight
Pixel pitch	0.283 mm ⁴
Response time	3 ms on/off; 1 ms (with overdrive)
Brightness	400 nits ¹
Contrast ratio	1000:1 ¹
Product color	Black
Resolution (maximum)	FHD (1920 x 1080 @ 240 Hz)
@@Resolution note@@	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.
Resolutions supported	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
Display scan frequency (horizontal)	30-255 KHz
Display scan frequency (vertical)	48-240 Hz
Display features	On-screen controls; Plug and Play; User controls; User programmable; AMD FreeSync™; NVIDIA G-SYNC™; Anti-glare
Display Input Type	1 DisplayPort™ 1.2 in (with HDCP support); 2 HDMI 2.0 (with HDCP support)
Physical security features	Security lock-ready ³
Environmental specifications	Arsenic-free display glass; Low halogen; Mercury-free display backlights
Energy efficiency	Energy efficiency class: F; On-mode power consumption: 21 W; Annual energy consumption: 23 kWh; Standby: 0.34 W; Power consumption (on-mode): 21 W; Power consumption (off-mode): 0.22 W
Display User Control Options	Back; Color control; Down; Exit; Gaming; Image control; Information; Input control; Management; Menu; Minus; OK; Plus; Power
External I/O ports	1 analog and digital audio-out; 2 USB 3.0
Webcam	No integrated camera
Product dimensions	55.75 x 9.87 x 33.06 cm Without stand. 55.75 x 27.25 x 48.96 cm With stand Packed: 66 x 33.2 x 47.3 cm
Weight	6.16 kg; Packed: 9.26 kg
Operating temperature range	5 to 35°C
Operating temperature range	41 to 95°F
Operating humidity range	20 to 80% non-condensing
Certifications and compliances	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
Power supply	Input voltage 100 to 240 VAC
Warranty	2 year parts and labour limited warranty.
What's in the box	AC power cord; DisplayPort™ cable; USB cable; USB Type-A to B cable
VESA mount	100 mm x 100 mm (bracket included)
Country of origin	Made in China
Product number	4WH47AA
Ordering info	193015261815
Touch-enabled	Not touch-enabled
Pixels per inch (ppi)	90 ppi
Panel bit depth	8 bit
Vertical viewing angle	160°
Horizontal viewing angle	170°
Bezel	3-sided micro-edge
Swivel	No swivel
Tilt	-5 to +23°
Pivot	No pivot
Height adjustment range	130 mm
Hardness	3H
Screen treatment	Anti-glare
Touch-enabled	Not touch-enabled
Integrated privacy filter	No

Flicker-free	Yes
Low blue light modes	Yes (TÜV certified)

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Messaging Footnotes

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Technical Specifications Footnotes

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

³ Lock is sold separately.

⁴ Can reach 240Hz only when the display is connected with DisplayPort and with overclocking hardware.

