



OMEN X 27 240Hz Gaming Monitor (6FN07AA)



Overview

Play at your full potential on a monitor that delivers frames at full-throttle speed. From edge to edge, this 240 Hz[1] monitor brings visuals to the next level, with HDR technology that delivers details and contrast like you've never seen before, so you're ready to react fast, return fire, and rank up.

240Hz

Lightning-fast refresh rates

Outpace your opponent with a 1ms response time and 240Hz refresh rate[1], 4x faster than traditional 60Hz monitors. QHD resolution offers exceptional visual quality, twice the pixel density of FHD monitors. This means less blur, smoother gameplay, and the ability to react faster to all the action all with ultra-sharp graphics.

HDR

Gaming is in the details, don't miss any

This monitor features HDR technology that provides a range of luminance that delivers vivid details and lifelike contrast between colors. View the brightest of whites and the darkest of blacks for in-game details like you've never seen before. The DCI P3 90% color gamut[1] and profound luminance give you that realistic feel you crave.

Crystal-clear gaming

Gamers deserve to have smooth gaming combined with the brilliant pixel quality high-dynamic range rendering offers. AMD Radeon FreeSync2™ HDR Technology[2] gives you low latency, wide adaptive refresh rate ranges, and Low Framerate Compensation.

Features

DCI-P3 color space

Get deeper hues and more accurate colors with a wider color gamut than sRGB. DCI-P3 90% closely represents colors on displays as they are in the real world.^[1]

240Hz refresh rate

Reduce frustrating lag and image ghosting with a lightning fast 240Hz refresh rate and a 1080p Full High Definition resolution for smooth, crisp gameplay.^[1]

NVIDIA® G-SYNC® Compatible

Enjoy variable refresh rates with NVIDIA® G-SYNC™ compatibility, delivering gameplay that's sharp, fluid, and stutter-free with minimal input lag.^[1]

Ultra-low latency

Enjoy a rapid, responsive gaming experience with minimized lag. With under 4ms input lag*, never miss a move.^[1]

Console connectivity

Easily connect to your PC, gaming console and peripherals for big screen entertainment with a broad range of ports, including HDMI, 2 Display ports and 2 USB.

AMD® FreeSync™ 2 HDR

See and feel the difference of fluid, responsive HDR gameplay. Synchronize the refresh rate with your GPU, making display stutter, input lag, and screen tears ancient history.^[2]

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

[2] FreeSync™ is only available when it is connected on DisplayPort or HDMI. FreeSync is an AMD® technology 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.

Specifications

Display size (diagonal)	27"
Panel technology	LED backlight
Aspect ratio	16:9 ^[1]
Native resolution	QHD (2560 x 1440) <i>(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.)</i>
Resolutions supported	1024 x 768; 1280 x 720; 1280 x 800; 1440 x 900; 1600 x 900; 1680 x 1050; 1920 x 1080; 2560 x 1440; 640 x 480; 720 x 400; 800 x 600
Pixel pitch	0.233 mm
Brightness	300 cd/m ² ^[1]
Contrast ratio	1000:1 static; 10000000:1 dynamic ^[1]
Response time (typical)	1 ms (with overdrive) ^[1]
Minimum dimensions (W x D x H)	55.75 x 33.06 x 9.87 cm <i>(Without stand.)</i>
Minimum dimensions (W x D x H)	25.98 x 13.07 x 18.62 in <i>(Without stand.)</i>
Dimensions With Stand (W x D x H)	55.75 x 27.25 x 48.96 cm
Weight	7.1 kg <i>(With stand.)</i>
Weight	15.8 lb <i>(With stand.)</i>
Display features	Anti-glare; LED backlights; On-screen controls; Plug and Play; AMD FreeSync™; Height adjustable
Display Input Type	1 HDMI 2.0 (with HDCP support); 1 DisplayPort™ 1.4 (with HDCP support)
Onscreen controls	Color control; Exit; Image control; Information; Management; Menu; Power; Gaming
Display colors	Up to 16.7 million colors supported
Ports	1 analog and digital audio-out; 3 USB 3.0 (1 upstream, 2 downstream)
Power	Input voltage 100 to 240 VAC
Power consumption	65 W (maximum), 30 W (typical), 0.5 W (standby)
Operating temperature range	5 to 35°C
Operating humidity range	20 to 80% RH
Environmental	Arsenic-free display glass; Low halogen; Mercury-free display backlights
Certifications and compliances	Australian-New Zealand MEPS; BSMI; CB; CCC; CE; CECP; CEL; CSA; EAC; FCC; ICES; ISO 9241-307; KC; KCC; NOM; PSB; SEPA; TUV-S; UL; VCCI; Vietnam MEPS; WEEE; ISC

Physical securitySecurity lock-ready^[3]**UPC number**

(A2N) 193808255397; (AB1) 193808255298; (ABA) 193808255274; (ABB) 193808255311; (ABG) 193808255304; (ABT) 193808255359; (ABU) 193808255328; (ABV) 193808255373; (ABY) 193808255342; (ACQ) 193808255366; (UUF) 193808255281; (UUG) 193808255380; (UUZ) 193808255335

What's in the box

DisplayPort™ cable; HDMI cable; USB Type-A to B cable; Monitor

Additional specifications

Country of origin	China
Display area (imperial)	23.5 x 13.2 in
Display area (metric)	59.67 x 33.56 cm
Horizontal viewing angle	160° vertical; 170° horizontal
Operating temperature range	41 to 95°F
Package dimensions (W x D x H)	25.98 x13.07 x 18.62 in
Package dimensions (W x D x H)	66 x 33.2 x 47.3 cm
Product brand name	HP
Product dimensions with stand (W x D x H)	21.95 x 10.73 x 19.28 in
Tilt	Tilt: -5 to +23°
UNSPSC code	43211902
VESA mounting	VESA mount compatible

[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.

Accessories

Graphics Cards

★ : Recommended

Graphics Cards

AMD Radeon RX550X 4GB LP DisplayPort Card	5LH79AA
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Apparel

Tops

OMEN by HP Ascendant Full Zip Hoodie	5RV96AA
OMEN by HP Courier Short Sleeve Tee	5RW05AA
OMEN by HP Dynamo Short Sleeve Tee	5RW23AA
OMEN by HP Mask Long Sleeve Tee	5RW38AA
OMEN by HP Meridian Long Sleeve Tee	5RW52AA
OMEN by HP Voodoo Pullover Hoodie	5RW97AA
OMEN by HP Voodoo Pullover Hoodie	5RX08AA

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