

OMEN by HP 27 inch FHD 240Hz Gaming Monitor - OMEN 27s (780G5AA)



SPEED RUN THROUGH FUN

Outclass the competition with the OMEN by HP 27-inch FHD 240Hz Gaming Monitor. Delivering ultra-smooth frames and crisp details[1], this NVIDIA® G-SYNC® compatible display has what it takes to keep up with you. Speed meets looks with a fun, yet refined design unlike any other so you can enjoy it in and out of the game.



APPROACHING MAXIMUM FUN

Frame by frame, experience buttery smooth action with no distraction. Boasting a lightning-fast 240Hz refresh rate and 1ms GTG response time with Overdrive[1], this gaming monitor cuts motion blur, so you're acting not reacting. Leave screen tearing and lag in the dust, thanks to NVIDIA® G-SYNC® compatibility.

IT'S LIKE YOU'RE REALLY THERE

Escape fully and dive into detailed worlds with the crisp visuals of FHD resolution[2]. Marvel at the wide array of dazzling colors and hues of the 99% sRGB and 95% DCI-P3 color gamut[1]. Even in shadows, easily make out details and shading with VESA DisplayHDR™ 400[3].

GET PLUGGED IN

Know you're equipped for your devices—gaming and otherwise—with two HDMI 2.0, one DisplayPort™ 1.4, and two USB-A 3.2 ports[4]. Make switching from PC to console a breeze when you directly connect your mouse & keyboard to the monitor thanks to the USB hub. Oh, did we mention the effortless cable management?

Featuring

FHD Resolution

Focus on the finer details and enjoy clear images with the 1920 x 1080 Full HD resolution on this 27" diagonal monitor. [2]

240Hz Refresh Rate

When every moment counts, a lightning-fast 240Hz refresh rate practically removes all artifacting and motion blurring for gameplay that's incredibly crisp and responsive. [1]

1ms GTG Response Time with Overdrive

Eliminates motion blur for crisp, fluid gameplay no matter what's happening on-screen. [1]

NVIDIA® G-SYNC® Compatible

NVIDIA® G-SYNC® technology delivers gameplay that's sharp, fluid, and stutter-free with minimal input lag.

VESA DisplayHDR™ 400

See details even in shadow and replicate reality on your screen with enhanced contrast. [3]

Specifications

Display size (diagonal)	27"
Panel technology	IPS
Aspect ratio	16:9 ^[1]
Native resolution	FHD (1920 x 1080) ^[1,2]
Resolutions supported	640 x 480; 720 x 400; 800 x 600; 1024 x 768; 1280 x 720; 1280 x 800; 1280 x 1024; 1440 x 900; 1600 x 900; 1680 x 1050; 1920 x 1080
Pixel pitch	0.31 x 0.31 mm
Brightness	400 nits ^[1]
Contrast ratio	1000:1 ^[1]
Response time (typical)	1ms GtG (with overdrive)
Minimum dimensions (W x D x H)	24.16 x 2.06 x 14.34 in (without stand)
Weight	19.14 lb (with stand)
Display features	On-screen controls; Pivot rotation; Anti-glare; Height adjustable; AMD Freesync™ Premium; Gaming Console Compatible; Integrated speakers; HP Eye Ease (Eyesafe® certified); HDR; NVIDIA® G-SYNC® Compatible; VESA Certified AdaptiveSync
Onscreen controls	Management; Information; Input; Color; Image; Menu; Gaming; Audio; External Lighting
Display colors	Up to 16.7 million colors supported
Display scan frequency (horizontal)	30-391 kHz
Display scan frequency (vertical)	60-240 Hz (DisplayPort™); 60-200 Hz (HDMI)
Camera	No integrated camera
Power	100 - 240 VAC 50/60 Hz
Power consumption	92 W (maximum), 46 W (typical), 0.5 W (standby)
Operating temperature range	5 to 35°C
Operating humidity range	20 to 80% RH
Sustainable impact specifications	Low Halogen; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; 85% ITE-derived closed loop plastic
Certifications and compliances	Australian-New Zealand MEPS; BIS; BSMI; CB; CCC; CE; CEL; CSA; EAC; FCC; ISO 9241-307; KC/KCC; NOM; PSB; TUV Bauart; TUV LBL; VCCI; Vietnam MEPS; WEEE; ISC; California Energy Commission (CEC); WW application; ICE; Ukraine certificates; TÜV Flicker free certified; UAE safety; UAE RoHS; South Africa safety; Microsoft WHQL Certification (Windows 11 and Windows 10)
Physical security	None
Management Software	OMEN Gaming Hub; OMEN Lighting Studio
UPC number	197029615442
Manufacturer Warranty	Protected by a one-year HP limited warranty. Certain restrictions and exclusions apply. ^[9]
What's in the box	Monitor; DisplayPort™ cable; Warranty card; USB Type-A to B cable; Quick Setup Poster; AC power cord ^[7]

Top Recommended Displays, Accessories and Services

Personal Systems Consumer Care Pack Services

HP 3 Year Next Day Exchange Service for Consumer Monitors	UE875E
HP 2 Year Next Day Exchange Service for Consumer Monitors	UE874E

Messaging Footnotes

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

[2] Full-high definition (FHD) content required to view FHD images.

[3] DisplayHDR™ is the high-performance Monitor and Display Compliance Test Specification from VESA specifying HDR (High Dynamic Range) quality. See <http://displayhdr.org> for more details.

[4] AC power cord, DisplayPort™, and USB-B to A cables included. All others sold separately.

Technical Specifications Footnotes

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

[2] DisplayPort™ 1.4 or HDMI 2.0 required to drive panel at its native resolution. The video card of the connected PC must be capable of supporting 1920 x 1080 at 60 Hz with 8-bit color using one DisplayPort™, HDMI. The video card of the connected PC must be capable of supporting 1920 x 1080 and include one DisplayPort™ or one HDMI outputs to drive the monitor at the Preferred Mode.

[7] Included cables may vary by country.

[9] Warranty may vary by country. See www.HP.com/go/support for details.

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