Datasheet

OMEN X 27 HDR QHD 240Hz Gaming Monitor

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.

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.

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.

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.

[1] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
[2] Compatible with AMD FreeSync™ Technology graphics cards.

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Featuring

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.

240Hz refresh rate
Reduce frustrating lag and image ghosting with a lightning fast 240Hz refresh rate and a 1080p QHD resolution for smooth, crisp gameplay.

Console connectivity
Easily connect to your PC, gaming console and peripherals for big screen entertainment with a broad range of ports, including HDMI, 1 Display port 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.

OMEN Command Center
OMEN Command Center puts you in control, allowing you to optimize and customize your display, performance and lighting settings—all to meet your needs.

High dynamic range compatible
HDR compatibility means HDR games and movies appear vivid and colorful, with enhanced contrast on your HDR display. More accurate colors provide a more lifelike visual experience.

Height adjustment stand
Easily adjust your display to the most comfortable position with 130 mm range of travel.

[4] HDR (High Dynamic Range) Content is required to view HDR images. Requires a monitor and AMD Radeon™ graphics, both with FreeSync support. See www.amd.com/freesync for complete details. Confirm capability with your system manufacturer before purchase. GD-127.

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Display size	68.58 cm (27")
Display colors	Up to 16.7 million colors supported
Aspect ratio	16:9 [1]
Display type	TN with LED backlight
Pixel pitch	0.233 mm
Response time	1 ms (with overdrive) [1]
Brightness	400 cd/m² [1]
Contrast ratio	1000:1 static; 10000000:1 dynamic [1]
Viewing angle	160° vertical; 170° horizontal
Recommended resolution	QHD (2560 x 1440 @ 60 Hz)
Resolution (maximum)	QHD (2560 x 1440 @ 240Hz)
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
Display features	Anti-glare; LED backlights; On-screen controls; Plug and Play; Height adjustable; Ambient Lighting; AMD FreeSync™ 2.0 HDR
Display Input Type	1 HDMI 2.0 (with HDCP support); 1 DisplayPort™ 1.4 (with HDCP support)
Physical security features	Security lock-ready [3]
Display moving angle	Tilt: -5 to +23°
Environmental specifications	Arsenic-free display glass; Low halogen; Mercury-free display backlights [2]
Energy efficiency	Energy efficiency class: C; On-mode power consumption: 45 W; Annual energy consumption: 66 kWh; Standby: 0.45 W; Power consumption (on-mode): 45 W; Power consumption (off-mode): 0.29 W
Display User Control Options	Color control; Exit; Image control; Information; Management; Menu; Power; Gaming
External I/O ports	1 analog and digital audio-out; 2 USB 3.0
Product dimensions	61.36 x 10.04 x 37.36 cm Without stand. 61.36 x 27.25 x 53.36 cm With stand Packed: 75.6 x 26.8 x 48.2 cm
Weight	7.1 kg
Operating temperature range	5 to 35°C
Operating temperature range	41 to 95°F
Operating humidity range	20 to 80% RH
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
Power supply	Input voltage 100 to 240 VAC
Warranty	1 year parts and labour limited warranty.
What's in the box	DisplayPort™ cable; HDMI cable; USB Type-A to B cable; Monitor
VESA mount	VESA mount compatible
Country of origin	China
Product number	6FN07AA
Ordering info	6FN07AA#ABB: 193808255397; 6FN07AA#A2N: 193808255397; 6FN07AA#ABT: 193808255397; 6FN07AA#ABU: 193808255397; 6FN07AA#ABV: 193808255397; 6FN07AA#ABY: 193808255397; 6FN07AA#ACQ: 193808255397; 6FN07AA#UUG: 193808255397; 6FN07AA#UUZ: 193808255397

[1] All specifications represent the typical specifications provided by HP's component manufacturers, actual performance may vary either higher or lower.
[2] External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
[3] Lock is sold separately.

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