

OMEN by HP 27 inch UHD 144Hz Gaming Monitor - OMEN 27k (780G9AA)



THE CENTERPIECE OF FUN

Play, create, and enjoy whatever your heart desires with this centerpiece of fun—all in 4K^[1]. Jump between 2 devices in a flash all while controlling both with the same keyboard and mouse, thanks to the built-in KVM switch^[2]. Get stunning 4K visuals^[1] on PCs, consoles, and more with the OMEN by HP 27-inch UHD 144Hz Gaming Monitor.



UNCOMPROMISING PERFORMANCE

Frame by frame, experience all the action with no compromise—even with ultra-crisp 4K visuals^[1]. Boasting a fast 1ms GTG response time with Overdrive and 144Hz refresh rate^[3], every motion and pixel keeps up with you. Leave screen tearing and lag in the dust, thanks to NVIDIA® G-SYNC® compatibility.

VISUALS BEYOND IMAGINATION

Encounter realistic textures and brilliant colors on this picture-perfect 4K gaming monitor^[1]. With over 8 million pixels, marvel at dazzling visuals painted by a wide array of colors and hues of the 99% sRGB and 95% DCI-P3 color gamut^[3]. Even in shadows, easily make out details and shading with VESA DisplayHDR™ 400^[4].

THE JOY HQ

Behold your gaming headquarters. Whether you're playing in or out of game, quickly switch between devices and control them with the same keyboard & mouse thanks to the KVM switch^[2]. What's more, it's all driven by the USB hub and USB-C® connection with data and video.

Featuring

4K Resolution

Get lost in the captivating definition and ultra-precise details of 4K resolution on this 27" diagonal monitor. The pixel dense 3840 x 2160 resolution expands your window into your gaming world and transforms your game into a remarkable, lifelike experience.^[1]

144Hz Refresh Rate

Don't compromise between stunning visuals and smooth performance.^[3]

VESA DisplayHDR™ 400

See details even in shadow and replicate reality on your screen with enhanced contrast.^[4]

1ms GTG Response Time with Overdrive

Eliminates motion blur for crisp, fluid gameplay no matter what's happening on-screen.^[3]

99% sRGB and 95% DCI-P3 color gamut

Get deeper hues and a wide array of colors with 99% sRGB and 95% DCI-P3 for precisely recreated colors so lifelike you get lost in your gameplay.^[3]

Specifications

| | |
|--|--|
| Display size (diagonal) | 27" |
| Panel technology | IPS |
| Display size (diagonal) | 68.6 cm (27") |
| Aspect ratio | 16:9 ^[1] |
| Native resolution | 4K UHD (3840 x 2160) ^[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; 1920 x 1200; 2560 x 1440; 3840 x 2160 |
| Pixel pitch | 0.16 x 0.16 mm |
| Brightness | 400 nits ^[1] |
| Contrast ratio | 1000:1 ^[1] |
| Response time (typical) | 1ms GtG (with overdrive) |
| Minimum dimensions (W x D x H) | 61.36 x 5.22 x 36.43 cm (without stand) |
| Minimum dimensions (W x D x H) | 24.16 x 2.06 x 14.34 in (without stand) |
| Dimensions With Stand (W x D x H) | 61.36 x 22.33 x 52.37 cm |
| Weight | 7.54 kg (with stand) |
| Weight | 16.62 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; Split screen; Gaming; External Lighting |
| Display colors | Up to 1.07 billion colors supported |
| Display scan frequency (horizontal) | 80-320 kHz |
| Display scan frequency (vertical) | 55-144 Hz |
| Camera | No integrated camera |
| Power | 100 - 240 VAC 50/60 Hz |
| Power consumption | 120 W (maximum), 50 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 | BIS; BSMI; CB; CCC; CE; CEL; CSA; EAC; FCC; ISO 9241-307; KC/KCC; NOM; PSB; TUV Bauart; TUV LBL; VCCI; 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 | (A2K) 197029616289; (AB0) 197029616302; (AB1) 197029616326; (AB2) 197029616333; (AB4) 197029616364; (ABG) 197029616395; (ABJ) 4573595845647; (ACJ) 197029616425; (AKL) 197029616449; (AR6) 197029616456; (UUF) 197029616470 |
| What's in the box | Monitor; DisplayPort™ cable; HDMI cable; Warranty card; USB Type-A to B cable; Quick Setup Poster; 1 USB Type-C® to Type-C cable; AC power cord ^[7] |

Top Recommended Displays, Accessories and Services

No Top Recommended Displays, Accessories and Services

Messaging Footnotes

- [1] 4K content required to view in 4K resolution.
- [2] Compatible with Windows 10 and up and Mac. For KVM compatibility, if connected PCs do not have USB-C® port, user will need a USB-C® to A cable. Sold separately.
- [3] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary, either higher or lower.
- [4] 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.

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 3840 x 2160 at 60 Hz with 8-bit color using one DisplayPort™, HDMI. The video card of the connected PC must be capable of supporting 3840 x 2160 and include one DisplayPort™ or one HDMI outputs to drive the monitor at the Preferred Mode.
- [7] Included cables may vary by country.

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