



OMEN by HP 27 inch UHD 144Hz Gaming Monitor - OMEN 27k

THE CENTERPIECE OF FUN

Play, create, and enjoy whatever your heart desires with this centerpiece of fun—all in 4K¹. Jump between 2 devices in a flash all while controlling both with the same keyboard and mouse, thanks to the built-in KVM switch². Get stunning 4K visuals¹ on PCs, consoles, and more with the OMEN by HP 27-inch UHD 144Hz Gaming Monitor.



*Product image may differ from actual product



UNCOMPROMISING PERFORMANCE

Frame by frame, experience all the action with no compromise—even with ultra-crisp 4K visuals¹. Boasting a fast 1ms GTG response time with Overdrive and 144Hz refresh rate³, 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 monitor¹. 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 gamut³. Even in shadows, easily make out details and shading with VESA DisplayHDR™ 400⁴.

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 switch². What's more, it's all driven by the USB hub and USB-C® connection with data and video.

REFINE YOUR PLAY SPACE

Made to impress in and out of game, the new OMEN look blends sophistication and fun to elevate what a gaming setup can look like. Through aRGB lighting, integrated dual speakers, and an adjustable stand, make your play space just how you like it.

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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

NVIDIA® G-SYNC® Compatible

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

AMD FreeSync™ Premium Technology

Game confidently with a high refresh rate, low framerate compensation, and low latency.⁶

VESA Certified AdaptiveSync

VESA Certified AdaptiveSync guarantees higher refresh rates and low latency, optimized for gaming.⁷

aRGB Lighting

Customize with 1.07 billion colors to fit you.⁵

Next Gen Console Compatible

Compatible with any console, and get 120FPS at 4K through HDMI 2.1 on the latest consoles.¹

IPS Technology

Image accuracy and consistency across wide 178-degree viewing angles, no matter where you stand.

Plenty of ports

Easily connect your devices with a USB-C® 3.2 port, one HDMI 2.1, one HDMI 2.0, one DisplayPort™ 1.4, USB hub, two USB-A 3.2 ports, and 3.5 mm headphone jack.⁸

New Design Unlocked

The new OMEN look blends sophistication and fun to elevate your gaming setup.

Built-in KVM switch

Quickly switch between and control two different devices.²

Integrated Dual 3W Speakers

No headset? No problem. The integrated dual 3W speakers deliver crystal-clear audio.

VESA Certified ClearMR 5000

Easily compare the amount of motion blur between VESA Certified ClearMR displays with Clear Motion Ratio (CMR).⁹

OMEN Light Studio

Customize your aRGB lighting with custom animations, color themes and integrate into your entire ecosystem with OMEN Light Studio.⁵

OMEN Gaming Hub

From software enhancements to hardware control, and live services, OGH elevates play in an easy and simple way.⁵

Adjust your view

Find comfort while you game with tilt, pivot, and 100 mm height adjustments.

HP Eye Ease with Eyesafe® Certification

Keep your screentime comfortable with beautiful colors while reducing blue light.

Materials that Matter

Contains 85% post-consumer recycled plastics.¹⁰

Mindful metals

Engineered to contain 10% recycled metals.¹¹

Thoughtful Product Packaging

100% recyclable packaging that can stay out of landfills.^{12,13}

Effortless Joypad OSD Button

Easy on-screen display settings with the joypad OSD button.

Integrated Cable Management

Help keep your workspace clean and organized.

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Product number	780G8E9#ABB;; #AZN; #ABT; #ABU; #ABV; #ABY; #ACC; #UUJ; #UUZ
UPC number	197029616210
Display size	68.6 cm (27")
Display colors	Up to 1.07 billion colors supported
Aspect ratio	16:9 ¹
Display type	IPS
Pixel pitch	0.16 x 0.16 mm
Response time	1ms GTG (with overdrive)
Brightness	400 nits ¹
Contrast ratio	1000:1 ¹
Display contrast ratio (dynamic)	10000000:1
Product color	Black
Display color gamut	99% sRGB; 95% DCI-P3
Resolution (maximum)	4K UHD (3840 x 2160 @ 144 Hz)
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
Display scan frequency (horizontal)	80-320 kHz
Display scan frequency (vertical)	55-144 Hz
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
Physical security features	None
Environmental 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 ^{3,4,5,6}
Energy efficiency	Energy efficiency class: F; On-mode power consumption: 83 W (maximum); Annual energy consumption: 26 kWh; Standby: 0.5 W (standby); Power consumption (on-mode): 83 W (maximum); Power consumption (off-mode): 33.5 W (typical)
Display User Control Options	Management; Information; Input; Color; Image; Menu; Split screen; Gaming; External Lighting
Webcam	No integrated camera
Operating temperature range	5 to 35°C
Operating temperature range	41 to 95°F
Operating humidity range	20 to 80% RH
Power supply	100 - 240 VAC 50/60 Hz
Speaker output power	2 x 3 W
VESA mount	100 mm x 100 mm (bracket included)
Pixels per inch (ppi)	163 ppi
Panel bit depth	True 8 bit
Vertical viewing angle	178°
Horizontal viewing angle	178°
Bezel	3-sided borderless
Tilt	-5 to +20°
Pivot	±90°
Height adjustment range	100 mm
Hardness	3H
Screen treatment	Anti-glare
Flicker-free	Yes
Low blue light	Yes, HP Eye Ease (Eyesafe® Certified)
Port and connectors	1 SuperSpeed USB Type-C® 10Gbps signaling rate (Alt Mode DisplayPort™ 1.2); 1 HDMI 2.0; 1 HDMI 2.1; 1 DisplayPort™ 1.4; 2 SuperSpeed USB Type-A 5Gbps signaling rate; 1 x 3.5 mm Audio Jack (Audio Out); 1 USB-B
HDCP	Yes, DisplayPort™, HDMI and USB Type-C®
Management software	OMEN Gaming Hub; OMEN Lighting Studio ⁸
Warranty	2 years limited warranty
Certifications and compliances	BIS; BSMI; CB; CCC; CE; CEL; CSA; EAC; FCC; ISO 9241-307; KC/KCC; NOM; PSB; TÜV Bauart; TÜV 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)
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
Country of origin	Made in China
Dimensions (W x D x H)	61.36 x 5.22 x 36.43 cm (without stand)
Weight	7.54 kg (with stand)
Package dimensions (W x D x H)	69.9 x 16 x 44.6 cm
Package weight	10.99 kg
Pallet (layers)	4
Products per layer	7
Products per pallet	28
Pallet dimensions	113 x 70.9 x 192.6 cm
Pallet weight	317.72 kg
Base area footprint	21.49 x 20.99 cm

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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.
- ⁵ Account required for full functionality. See OMEN Gaming Hub terms and conditions. Support level for non-HP products may be subject to change. Some animation effects may consume more CPU resources.
- ⁶ Requires a monitor and AMD Radeon graphics, both with FreeSync Premium support. AMD FreeSync Premium requires mandatory low framerate compensation and at least 120 Hz refresh rate at minimum FHD. See www.amd.com/freesync for complete details. Confirm capability with your system manufacturer before purchase. GD-161.
- ⁷ VESA Certified Adaptive Sync is the high-performance Monitor and Display Compliance Test Specification from VESA specifying display visual performance on variable refresh rate displays. See <https://www.adaptivesync.org/> for more details.
- ⁸ AC Power cord, DisplayPort™ cable, HDMI 2.1 cable, USB-B to A cable, and USB-C® cable included. All other cables sold separately.
- ⁹ VESA Certified ClearMR is the high-performance Monitor and Display Compliance Test Specification from VESA that provides a clear numerical value based on the ratio of clear pixels to blurry pixels. See <https://www.clearmr.org/> for more details.
- ¹⁰ Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 EPEAT® standard.
- ¹¹ Recycled metal is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal parts over 25 grams.
- ¹² 100% outer box/corrugate cushion packaging made from sustainably sourced certified and recycled fibers. Fiber cushions made from 100% recycled wood fiber and organic material. Any plastic cushions are made from >90% recycled plastic. Excludes plastic bags and plastic foam sheeting.
- ¹³ Recycling facilities not available in all locations.

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.
- ³ External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.
- ⁴ ITE Derived Closed Loop Plastic percentage is based on the definition set in the IEEE 1680.1-2018 standard.
- ⁵ 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.
- ⁶ Molded pulp cushions are made from 100% recycled wood fiber and organic materials.
- ⁷ Included cables may vary by country.
- ⁸ Host PC requires Windows 10. OMEN Gaming Hub is available on the Microsoft store.

