

OMEN 27i Monitor (8AC94AS)

Overview

You've got the moves. We've got the views

Who wants to choose between speed and picture quality? Not you. So, enjoy the game with a refreshingly speedy 165Hz refresh rate[1]. Silence choppy gameplay, permanently, with the 1ms response time with overdrive.[1]

Fun just got faster

The NVIDIA® G-SYNC® Compatible[3] OMEN 27i monitor is validated by NVIDIA to bring you smooth, tear-free gaming with a 165Hz refresh rate[1] and 1ms response time with overdrive[1]. Fun just got fast.



Get into position, in any position

Play comfortably—adjust the height easily and say goodbye to distracting bezels, plus ambient RGB lighting to help reduce eye strain.

Colors for days

Nano IPS panel technology with QHD[2] resolution delivers extraordinary DCI-P3 98% color reproduction that fully immerses you into every game, with wider viewing angles and better contrast, to enhance your experience.

Features

IPS

Step up to the best

IPS technology brings you clear views from almost any angle. Every seat is the best seat in the house.



1-millisecond response time with Overdrive

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

165Hz

165Hz refresh rate

Crisp action and incredibly responsive gameplay with virtually no artifacting or screen tearing.^[1]

NVIDIA® G-SYNC® Compatible

Sharp, fluid, and stutter-free gaming with up to 165Hz refresh rates.^[1]

QHD

QHD Display

Ultra-sharp details and captivating definition with 3.7 million pixels.^[2]



Height adjustment stand

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

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

[2] QHD (Quad High Definition) content required to view QHD images.

[3] Must support DisplayPort 1.2 directly from GPU. Requires GTX 650Ti Boost GPU or higher. NVIDIA R340 52 or higher. See [NVIDIA.com](https://www.nvidia.com) for more details.

Specifications

Display size (diagonal)	27"
Panel technology	IPS
Display size (diagonal)	68.6 cm (27")
Aspect ratio	16:9 ^[1]
Native resolution	QHD (2560 x 1440)
Resolutions supported	1024 x 768; 1280 x 1024; 1280 x 720; 1440 x 900; 1600 x 900; 1680 x 1050; 1920 x 1080; 1920 x 1200; 2560 x 1440; 640 x 480; 720 x 400; 720 x 480; 800 x 600
Pixel pitch	0.233 mm
Brightness	350 nits ^[1]
Contrast ratio	1000:1 ^[1]
Response time (typical)	1ms GtG ^[1]
Minimum dimensions (W x D x H)	61.3 x 6.6 x 36.7 cm <i>(Without stand.)</i>
Minimum dimensions (W x D x H)	24.13 x 2.6 x 14.45 in <i>(Without stand.)</i>
Dimensions With Stand (W x D x H)	61.3 x 25.7 x 52.2 cm
Weight	7.75 kg <i>(With stand.)</i>
Weight	17.09 lb <i>(With stand.)</i>
Display features	Anti-glare; Language selection; On-screen controls; Plug and Play; User controls
Display Input Type	1 DisplayPort™ 1.2 in (with HDCP support); 1 HDMI 2.0 (with HDCP support)
Onscreen controls	Exit; Information; Input source; Language; Management; Menu; Power; Gaming; Image; Color
Display colors	1.07 billion colors supported
Display scan frequency (horizontal)	80-250 KHz
Display scan frequency (vertical)	48-144 Hz
Ports	3 USB 3.0 (2 downstream, 1 upstream)
Webcam	No integrated camera
Power	Input voltage 100 to 240 VAC
Power consumption	75 W (maximum), 50 W (typical), 0.5 W (standby)
Operating temperature range	5 to 35°C
Operating humidity range	20 to 80% non-condensing

Sustainable impact specifications

Arsenic-free display glass; Low halogen; Mercury-free display backlights

Certifications and compliances

BIS; BSMI; CB; CCC; CE; CECP; CEL; C-Tick; cTUVus; EAC; EUP Lot-5; FCC; ISO 13406-2 VDT Guidelines Approval; KC; KCC; NOM; RoHS; VCCI; WEEE; California Energy Commission (CEC); TUS-GS

Physical security

Security lock-ready^[3]

What's in the box

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

Additional specifications

Audio port	1 Line Output
Backlight type	Edge-lit
Bezel	3-sided micro-edge
Curvature	Flat
Detachable stand	Yes
Display area (imperial)	23.49 x 13.21 in
Display area (metric)	59.67 x 33.56 cm
Display contrast ratio (dynamic)	10000000:1
Displayport™	1 DisplayPort™ 1.2
Ethernet	No
HDMI	1 HDMI 2.0
Hdcp	Yes, DisplayPort™ and HDMI
Height adjustment range	130 mm
Horizontal viewing angle	178° horizontal
Integrated privacy filter	No
Low blue light modes	Yes
Microphone	No
Non-Operating Humidity Range	5 to 95%
Operating temperature range	41 to 95°F
Package dimensions (W x D x H)	73 x 25 x 46 cm
Package dimensions (W x D x H)	28.74 x 9.84 x 18.11 in
Package weight	10.56 kg
Package weight	23.29 lb
Panel bit depth	10 bit
Pixels per inch (ppi)	109 ppi
Power supply type	External
Product brand name	HP
Product dimensions with stand (W x D x H)	24.13 x 10.12 x 20.55 in
Resolution (maximum)	QHD (2560 x 1440 @ 165 Hz)
Screen treatment	Anti-glare
Speakers	No
Tilt	-5 to +20°
Touch-enabled	Not touch-enabled

UNSPSC code	43211902
Usb a	2 SuperSpeed USB Type-A 5Gbps signaling rate
Usb b (hub enablement)	1 USB-B
VESA mounting	100 mm x 100 mm
Vertical viewing angle	178°
pivot	No pivot
swivel	No swivel

[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.

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