



HP Sales Central

HP X27q QHD Gaming Monitor (2V7U4AA)

Active as of 10/04/2021



Overview

All play, every play.

Play longer, comfier, and with amazing accuracy on our suite of sweet gaming monitors. We've redefined high definition gaming with IPS Panel Technology, 165Hz, 1ms response time¹, AMD² FreeSync™ Premium³, and more colors than ever before.

□

A Display of Responsibility

Monitor made with 85% post-consumer recycled materials and sustainably sourced and recyclable packaging⁵. Doing good never looked so good.

□

Believing is Seeing

Immerse yourself in even more colors and catch all the action with ultra-wide viewing angles of an IPS display with HDR 400 in Quad HD (2560 x 1440)⁴.

□

Smooth Moves

Live in the flow of 165 Hz with a super fast 1ms response time¹ and keep your gameplay smooth-as-silk with AMD² FreeSync™ Premium³.



Game in comfort

HP Eye Ease with Eyesafe® certification keeps high-energy blue light out and the color accuracy in. Customize your comfort with the adjustable base.

□

Sustainably Sourced Packaging

HP is innovating new ways to reduce the amount of materials in our packaging and to use more recycled materials in the design.^{5,7}

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.

165Hz

165Hz refresh rate

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

□

Adjust your view

Adjust your screen's height with pivot and tilt capabilities. Brighten your screen with enhanced contrast for a lifelike visual experience.

□

HDR 400

Specifications

Display size (diagonal)

27"

Panel technology

IPS

Aspect ratio

16:9

Native resolution

QHD (2560 x 1440)

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

Pixel pitch

0.233 mm

Brightness

400 nits

Contrast ratio

1000:1

Response time (typical)

1ms GtG (with overdrive)

Display features

Pivot rotation; Low blue light mode; Anti-glare; Height adjustable; AMD Freesync™ Premium; Gaming Console Compatible

Display scan frequency (horizontal)

30-255 KHz

Display scan frequency (vertical)

55-165 Hz

Onscreen controls

Exit; Information; Management; Power control; Input control; Menu control; Gaming; Image; Color

Physical security

None

Webcam

No integrated camera

Power

100 - 240 VAC 50/60 Hz

Power supply type

Internal

Power consumption

70 W (maximum), 28 W (typical), 0.5 W (standby)

Ecolabels

CEL Grade 1

Operating temperature range

5 to 35°C

Minimum dimensions (W x D x H)

61.35 x 5.05 x 36.63 cm

(Without stand.)

3

Dimensions With Stand (W x D x H)

61.35 x 21.15 x 51.24 cm

Weight

6.3 kg

Package dimensions (W x D x H)

68.8 x 22.5 x 44 cm

Package weight

9.7 kg

What's in the box

Monitor
DisplayPort™ cable
Warranty card
Product notice
AC power cord

Management Software

OMEN Gaming Hub

Manufacturer Warranty

1 year limited warranty

Overview

- 1 All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. Results may vary based on quality of the original picture/photo/video and difference between the previous monitor settings compared to the HP Enhance + mode.
- 2 FreeSync™ Premium is only available when it is connected on Display Port or HDMI. FreeSync is an AMD® technology enabled on FHD or QHD displays and is designed to eliminate stuttering and/or tearing in games and videos by locking a display's refresh rate to the frame rate of the graphics card. Mandatory low framerate compensation and at least 120Hz refresh rate, AMD Radeon Graphics and/or AMD A-Series APU-compliant monitors with DisplayPort/HDMI Adaptive-Sync required. AMD 15.11 Crimson driver (or newer) required to support FreeSync over HDMI. Adaptive refresh rates vary by monitor. More information is available at www.amd.com/freesync.
- 3 Supports Adaptive-sync with NVIDIA® GeForce® graphics cards and AMD Radeon graphics cards. FreeSync™ certified. Compatible with NVIDIA® GeForce® GTX 10 series, GTX 16 series and newer graphics cards.
- 4 QHD (Quad High Definition) content required to view QHD images.
- 5 Based on HP's internal analysis. Monitor's 85% post-consumer recycled plastic content consists of 5% ocean bound plastic materials by weight. 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers. Plastic cushions are made from >90% recycled plastic. Excludes plastic bags and plastic foam sheeting.

Detailed Specifications

Aspect ratio

16:9

Audio port

1 x 3.5 mm Audio Jack (Audio Out)

Backlight type

Edge-lit

Bezel

3-sided micro-edge

Brightness

400 nits

Brightness (typical) footnote number

[1]

Card reader

No

Certifications and compliances

BIS; BSMI; CB; CCC; CE; CEL; cTUVus; EAC; FCC; ISC Mark; ISO 9241-307; KC/KCC; NOM; PSB; RCM; TUV-S; VCCI; Vietnam MEPS; WEEE; Mexico Energy; WW application; ICE; UAE; TUV-GS; Ukraine certificates; NRCS of South Africa; Belarus Energy; Eyesafe® Certified

Color gamut

99% sRGB

Contrast ratio

1000:1

Copyright notice

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Curvature

Flat

Detachable stand

Yes

Dimension note (imperial)

Without stand.

Dimensions (W x D x H) Note

Without stand.

Dimensions With Stand (W x D x H)

61.35 x 21.15 x 51.24 cm

Display area (imperial)

23.49 x 13.22 in

Display area (metric)

59.67 x 33.57 cm

Display contrast ratio (dynamic)

10000000:1

Display features

Pivot rotation; Low blue light mode; Anti-glare; Height adjustable; AMD Freesync™ Premium; Gaming Console Compatible

Display footnote number

[1]

Display Input Type

1 HDMI 2.0; 1 DisplayPort™ 1.4-in

Display scan frequency (horizontal)

30-255 KHz

Display scan frequency (vertical)

55-165 Hz

Display size (diagonal)

27"

Display size (diagonal)

68.6 cm (27")

DisplayPort™

1 DisplayPort™ 1.4

Ecolabels

CEL Grade 1

Ethernet

No

Flicker-free

Yes

Hardness

3H

HDMI

1 HDMI 2.0

Height adjustment range

100 mm

Horizontal viewing angle

178°

Image legal disclaimer

Product image may differ from actual product

Integrated privacy filter

No

Legal disclaimer

All performance specifications are provided by the component manufacturers. Performance specifications represent the highest specification of all HP's component manufacturers' typical level specifications for performance. Actual performance may vary either higher or lower.

Low blue light modes

Yes, Eyesafe® Certified

Management Software

OMEN Gaming Hub

Manufacturer Warranty

1 year limited warranty

Microphone

No

Minimum dimensions (W x D x H)

24.15 x 1.99 x 14.42 in

Minimum dimensions (W x D x H)

61.35 x 5.05 x 36.63 cm

Native resolution

QHD (2560 x 1440)

Native resolution footnote number

[1]

Non-Operating Humidity Range

5 to 95%

Onscreen controls

Exit; Information; Management; Power control; Input control; Menu control; Gaming; Image; Color

Operating humidity range

20 to 80% non-condensing

Operating temperature range

41 to 95°F

Operating temperature range

5 to 35°C

Package dimensions (W x D x H)

27.09 x 8.86 x 17.32 in

Package dimensions (W x D x H)

68.8 x 22.5 x 44 cm

Package weight

21.38 lb

Package weight

9.7 kg

Panel bit depth

10 bit (8 bit + FRC)

Panel technology

IPS

Physical security

None

pivot

+90

Pixel pitch

0.233 mm

Pixels per inch (ppi)

109 ppi

Power

100 - 240 VAC 50/60 Hz

Power consumption

70 W (maximum), 28 W (typical), 0.5 W (standby)

Power supply type

Internal

Product brand name

HP

Product dimensions with stand (W x D x H)

24.15 x 8.33 x 20.17 in

Product long name specifications

HP X27q QHD Gaming Monitor; QHD (2560 x 1440)

Resolution (maximum)

QHD (2560 x 1440 @ 165 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

Response time (typical)

1 ms GtG (with overdrive)

Response time footnote number

[1]

Screen treatment

Anti-glare

Speakers

No

swivel

No swivel

Tech spec footnote

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

Tilt

-5 to +20°

Touch-enabled

Not touch-enabled

UNSPSC code

43211902

Vertical viewing angle

178°

VESA mounting

100 mm x 100 mm (bracket not included)

Webcam

No integrated camera

Weight

13.89 lb

Weight

6.3 kg

Weight note (imperial)

With stand.

Weight note (metric)

With stand.

What's in the box

Monitor; DisplayPort™ cable; Warranty card; Product notice; AC power cord

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