

PHILIPS

Quad HD monitor

Monitor

1000 series

27" (68.6 cm)

2560 x 1440 (QHD)

27E1N1600AE



Improve your productivity with USB-C connectivity

This monitor is made to keep you connected. With features like USB-C 3.2 with power delivery, users can charge their linked device and work seamlessly, all with one cable. In addition, the singular cable makes for a clean workspace.

Features designed for you

- EasySelect menu toggle key for quick on-screen menu access
- EasyRead mode for a paper-like reading experience
- LowBlue mode and Flicker-free easy-on-the eyes viewing

Easy to experience

- Connect your notebook with one USB-C cable
- Built-in stereo speakers for multimedia
- Tilt and height-adjust for an ideal viewing position
- VESA mount for convenience
- HDMI ensures universal digital connectivity

Good for Gaming

- 120 Hz refresh rates for ultra-smooth, brilliant images

Superb Picture Quality

- IPS LED wide view technology for image and colour accuracy
- Crystal clear images with Quad HD 2560 x 1440 pixels

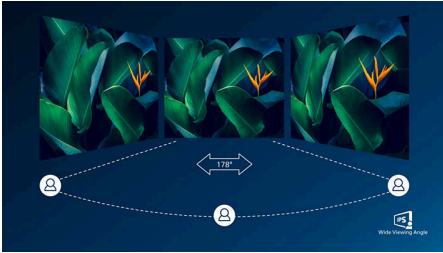
Monitor

Quad HD monitor

27E1N1600AE/01

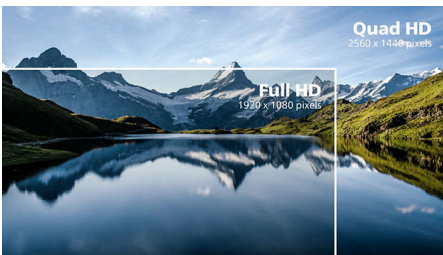
Highlights

IPS technology



IPS displays use an advanced technology that gives you extra-wide viewing angles of 178/178 degrees, making it possible to view the display from almost any angle. Unlike standard TN panels, IPS displays give you remarkably crisp images with vivid colours, making them ideal not only for Photos, movies and web browsing, but also for professional applications that demand colour accuracy and consistent brightness at all times.

CrystalClear images



These Philips screens deliver CrystalClear, Quad HD 2560 x 1440 or 2560 x 1080 pixel images. Utilising high performance panels with a high-density pixel count enabled by high bandwidth sources, these new displays will make your images and graphics come alive. Whether you are a demanding professional requiring extremely detailed information for CAD-CAM solutions using 3D graphic applications, or a financial wizard working on huge spreadsheets, Philips displays will give you CrystalClear images.

USB-C connection



This Philips display features a USB type-C connector with power delivery. With intelligent and flexible power management, you can power charge your compatible device directly. Its slim, reversible USB-C allows for easy, one-cable connection. You can watch high-resolution video and transfer data at super speed, while powering up and recharging your compatible device at the same time.

120 Hz Gaming



You play intense, competitive games. You demand a display with lag-free, ultra-smooth images. This Philips display redraws the screen image up to 120 times per second, effectively faster than a standard display. A lower frame rate can make enemies appear to jump from spot to spot on the screen, making them difficult targets to hit. With 120 Hz frame rate, you get those critical missing images on the screen, showing enemy movement in ultra-smooth motion so you can easily target them. With ultra-low input lag and no screen tearing, this Philips display is your perfect gaming partner.

1 ms MPRT fast response



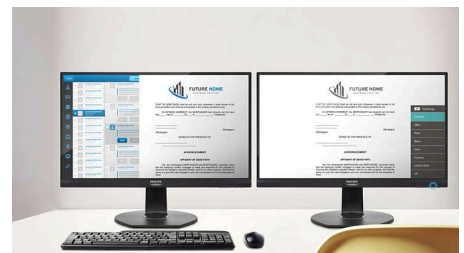
MPRT (motion picture response time) is a more intuitive way to describe response time, which directly refers to the duration between seeing blurry noise and clean, crisp images. The Philips gaming monitor with 1 ms MPRT effectively eliminates smearing and motion blur and delivers sharper and more precise visuals to enhance your gaming experience. The best choice for playing thrilling and twitch-sensitive games.

LowBlue Mode and Flicker-free



Our LowBlue Mode and Flicker-free technology have been developed to reduce eye strain and fatigue often caused by long hours in front of a monitor.

EasyRead mode



EasyRead mode for a paper-like reading experience



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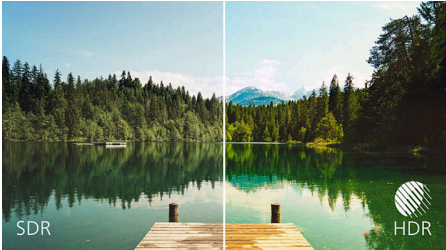
Highlights

Built-in stereo speakers



A pair of high-quality stereo speakers built into a display device. They may be visible front firing, or invisible down firing, top firing, rear firing etc. depending on model and design.

High Dynamic Range (HDR)



High Dynamic Range delivers a dramatically different visual experience. With astonishing brightness, incomparable contrast and captivating colour, images come to life with much greater brightness while also featuring much deeper, more nuanced darks. It renders a

fuller palette of rich new colours never before seen on a display, giving you a visual experience that engages your senses and inspires emotions.

EasySelect Menu Toggle Key



The discreetly placed EasySelect Menu Toggle Key allows you to make quick and easy adjustments to monitor settings in the On-Screen Display menu.



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Specifications

Picture/Display

Panel Size: 27 inch/68.6 cm
Aspect ratio: 16:9
LCD panel type: IPS technology
Backlight type: W-LED system
Pixel pitch: 0.2331 x 0.2331 mm
Brightness: 350 cd/m²
Display colours: 16.7 M
Contrast ratio (typical): 1500:1
SmartContrast: Mega Infinity DCR
Response time (typical): 4 ms (Grey to Grey)*
Viewing angle: 178° (H)/178° (V), @ C/R > 10
Picture enhancement: SmartImage game
Maximum resolution: 2560 x 1440 @ 100 Hz
Effective viewing area: 596.74 (H) x 335.66 (V)
Scanning Frequency: 30 kHz–190 kHz (H)/48 Hz–100 Hz (V)
sRGB
SoftBlue
Flicker-free
Pixel Density: 123.41 PPI
LowBlue Mode
Display Screen Coating: Anti-Glare, 3H, Haze 25%
MPRT: 1 ms
EasyRead
Adaptive sync
HDR: HDR 10 supported

Connectivity

Signal Input: HDMI 1.4 x 1, USB-C x 1 (upstream and Power Delivery)
Sync Input: Separate Sync
Audio (In/Out): Audio out
HDCP: HDCP 1.4 (HDMI/USB-C)
USB Hub: USB 3.2 Gen 1, USB-A downstream x 2 (with 1 fast-charge B.C 1.2)

Power Delivery

Max power delivery: USB-C: Up to 65 W (5 V/3 A, 7 V/3 A, 9 V/3 A, 10 V/3 A, 12 V/3 A, 15 V/3 A, 20 V/3.25 A)
Version: USB PD version 3.0

Convenience

Built-in Speakers: 2 W x 2
Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 11/10
User convenience: Power On/Off, Menu, Volume, SmartImage Game, Input
OSD Languages: Brazil Portuguese, Czech, Dutch, English, Finnish, French, German, Greek,

Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, Ukrainian
Other convenience: Kensington lock, VESA mount (100 x 100 mm)

Stand

Height adjustment: 100 mm
Tilt: -5/20 degree

Power

Power supply: Internal, 100–240 VAC, 50–60 Hz
Off mode: 0.3 W (typ.)
On mode: 25.5 (typ.)
Standby mode: 0.5 W (typ.)
Power LED indicator: Operation - White, Standby mode - White (flashing)
Energy Label Class: E

Dimensions

Packaging in mm (W x H x D):
780 x 420 x 161 mm
Product without stand (mm): 617 x 357 x 46 mm
Product with stand (max height):
617 x 483 x 220 mm

Weight

Product with packaging (kg): 8.87 kg
Product with stand (kg): 5.75 kg
Product without stand (kg): 3.97 kg

Operating conditions

Altitude: Operation: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
Temperature range (operation): 0 to 40 °C
MTBF: 50,000 hrs (excluding backlight) hour(s)
Relative humidity: 20%-80 %
Temperature range (storage): -20 to 60 °C

Sustainability

Environmental and energy: RoHS
Recyclable packaging material: 100 %
Specific Substances: Mercury free, PVC/BFR free housing

Compliance and standards

Regulatory Approvals: CB, CE Mark, ICES-003, TUV/ISO9241-307, TUV-BAUART, EAC, FCC, VCCI, Energy Star 8.0, EPA

Cabinet

Colour: Black
Finish: Textured

What's in the box?

Cables: HDMI cable, USB-C to USB-C cable, Power cable
Monitor with stand
User Documentation



- * "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
- * For best output performance, please always ensure that your graphic card is capable of achieving the maximum resolution and refresh rate of this Philips display.
- * Response time value equal to SmartResponse
- * MPRT adjusts the brightness for blur reduction, so the brightness cannot be adjusted while MPRT is turned on. To reduce motion blur, the LED backlight will strobe in time with the screen refresh rate, which may cause a noticeable change in brightness.
- * MPRT is a gaming-optimised mode. Turning on MPRT may cause noticeable screen flickering. It is recommended to turn this mode off when you are not using the gaming function.
- * For USB-C power and charging function, your Notebook/device must support USB-C standard Power Delivery specifications. Please check with your Notebook user manual or manufacturer for more details.
- * For Video transmission via USB-C, your Notebook/device must support USB-C DP Alt mode
- * The products and accessories listed on this leaflet may differ by country and region.
- * The monitor may look different from feature images.