

# PHILIPS

Quad HD monitor

Monitor

1000 series

27" (68.6 cm)

2560 x 1440 (QHD)

27E1N1600AE



## Better 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

### Superb Picture Quality

- 100Hz refresh rates for ultra-smooth images
- IPS LED wide view technology for image and color accuracy
- Crystalclear images with Quad HD 2560 x 1440 pixels
- High Dynamic Range (HDR) for more lifelike colorful visuals

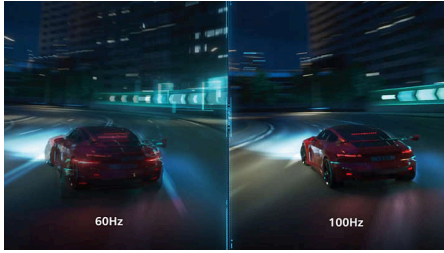
# Monitor

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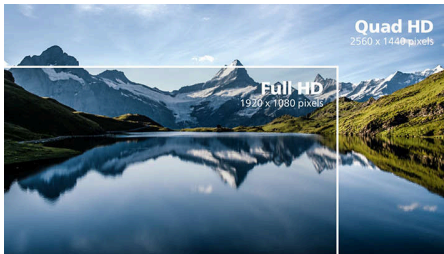
## Highlights

### 100Hz Fast refresh



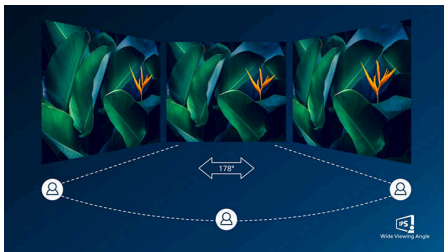
This Philips display refreshes the screen image up to 100 times per second which makes this monitor much faster than a standard display. With a 100Hz frame rate, gamers are able to find those critical images on the screen that show enemy movement in an ultra-smooth motion so that they are easily targetable.

### Crystalclear images



These Philips screens deliver Crystalclear, Quad HD 2560x1440 or 2560x1080 pixel images. Utilizing high performance panels with high density pixel count, enabled by high bandwidth sources, these new displays will make your images and graphics come alive. Whether you are 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.

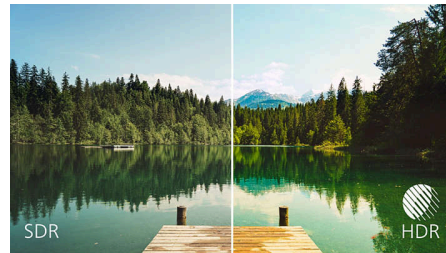
### IPS technology



IPS displays use an advanced technology which gives you extra wide viewing angles of 178/178 degree, making it possible to view the display

from almost any angle. Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colors, making it ideal not only for Photos, movies and web browsing, but also for professional applications which demand color accuracy and consistent brightness at all times.

### High Dynamic Range (HDR)



High Dynamic Range delivers a dramatically different visual experience. With astonishing brightness, incomparable contrast and captivating color, images come to life with much greater brightness while also featuring much deeper, more nuanced darks. It renders a fuller palette of rich new colors never before seen on display, giving you a visual experience that engages your senses and inspires emotions.

### 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 a super-speed, while powering up and re-charging your compatible device at the same time.

### 1ms MPRT fast response



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

### LowBlue Mode & 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.



LowBlue Mode

Built-in Speaker

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## Highlights

### Built-in stereo speakers



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

### EasyRead mode



EasyRead mode for a paper-like reading experience

### 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.



EasyRead

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## Specifications

### Picture/Display

**Panel Size:** 27"/68.6cm  
**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/m<sup>2</sup>  
**Display colors:** 16.7 M  
**Color gamut (typical):** Adobe RGB 87.31%; DCI-P3:90.31%, sRGB: 114.28%, NTSC 101.9% \*  
**Contrast ratio (typical):** 1500:1  
**SmartContrast:** Mega Infinity DCR  
**Response time (typical):** 4 ms (Gray to Gray)\*  
**Viewing angle:** 178° (H) / 178° (V), @ C/R > 10  
**Picture enhancement:** SmartImage  
**Maximum resolution:** 2560 x 1440 @ 100 Hz  
**Effective viewing area:** 596.74 (H) x 335.66 (V)  
**Scanning Frequency:** 30 KHz - 150 KHz (H) / 48 Hz - 100 Hz (V)  
sRGB  
Flicker-free  
**Pixel Density:** 123.41 PPI  
**LowBlue Mode**  
**Display Screen Coating:** Anti-Glare, 3H, Haze 25%  
**MPRT:** 1 ms  
EasyRead  
**Adaptive sync (VRR)**  
**HDR:** HDR 10 supported

### Connectivity

**Signal Input:** HDMI 2.0 x 1, USB-C x 1 (upstream and Power Delivery)  
**Sync Input:** Separate Sync  
**Audio (In/Out):** Audio out  
**HDCP:** HDCP 2.2 (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 65W (5V/3A, 7V/3A, 9V/3A, 10V/3A, 12V/3A, 15V/3A, 20V/3.25A)  
**Version:** USB PD version 3.0

### Convenience

**Built-in Speakers:** 2 W x 2  
**Plug & Play Compatibility:** DDC/CI, Mac OS X, sRGB, Windows 11 / 10  
**User convenience:** Power On/Off, Menu, Volume, Input, SmartImage

**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 (100x100mm)

### Stand

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

### Power

**Power supply:** Internal, 100-240VAC, 50-60Hz  
**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 (blinking)  
**Energy Label Class:** E

### Dimensions

**Packaging in mm (WxHxD):** 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: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)  
**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, EnergyStar 8.0, EPA

### Cabinet

**Color:** 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 is to adjust brightness for blur reduction, so cannot adjust brightness while MPRT is turned on. To reduce motion blur, LED backlight will strobe synchronously with screen refresh, which may cause noticeable brightness change.
- \* MPRT is gaming-optimized mode. Turn on MPRT may cause noticeable screen flickering. It is recommended to turn 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
- \* Adobe RGB and DCI-P3 Coverage based on CIE1976, sRGB Area based on CIE1931, NTSC Area based on CIE1976.
- \* The products and accessories listed on this leaflet may differ by country and region.
- \* The monitor may look different from feature images.