Philips Monitor
Full HD LCD display

1000 series
24 (23.8"/60.5 cm diag.)
1920 x 1080 (Full HD)

24E1N1300AE



# 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.

### Superb Picture Quality
- 100 Hz refresh rates for ultra-smooth images
- 1 ms (MPRT) fast response for crisp images and smooth gameplay
- IPS LED wide view technology for image and colour accuracy
- 16:9 Full HD display for crisp, detailed images

### Features designed for you
- LowBlue mode and Flicker-free easy-on-the eyes viewing
- EasyRead mode for a paper-like reading experience
- Cable management reduces cable clutter for a neat workspace
- EasySelect menu toggle key for quick on-screen menu access
- Height-adjustable for better ergonomic comfort

### Easy to experience
- Connect your notebook with one USB-C cable
- Built-in stereo speakers for multimedia
- HDMI ensures universal digital connectivity

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# Highlights

### 100 Hz 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 100 Hz 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.

### USB-C connection



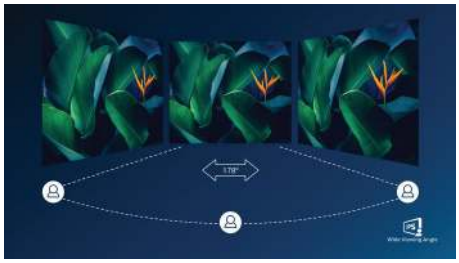
This Philips display features a USB type-C connector with power delivery. With intelligent and flexible power management, you can power charge your compatible device directly. Its slim, reversible USB-C allows for easy, one-cable connection. You can watch high-resolution video and transfer data at super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

### 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.

### 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.

### 16:9 Full HD display




Picture quality matters. Regular displays deliver quality, but you expect more. This display features enhanced Full HD 1920 x 1080 resolution. With Full HD for crisp detail paired with high brightness, incredible contrast and realistic colours, expect a true-to-life picture.

### 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.

### 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

100Hz
USB-C
IPS Wide Viewing Angle
Full HD 1080p
LowBlue Mode
Built-In Speaker
Flicker-free
EasyRead
HDMI

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# Specifications

## Picture/Display
- LCD panel type: IPS technology
- Backlight type: W-LED system
- Panel Size: 23.8 inch/60.5 cm
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- Effective viewing area: 527.04 (H) x 296.46 (V)
- Aspect ratio: 16:9
- Maximum resolution: 1920 x 1080 @ 100 Hz*
- Pixel Density: 92.56 PPI
- Response time (typical): 4 ms (Grey to Grey)*
- MPRT: 1 ms
- Brightness: 250 cd/m²
- Contrast ratio (typical): 1300:1
- SmartContrast: Mega Infinity DCR
- Pixel pitch: 0.2745 x 0.2745 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Flicker-free
- Picture enhancement: SmartImage game
- Display colours: 16.7 M
- Scanning Frequency: 30 kHz - 115 kHz (H)/48 Hz - 100 Hz (V)
- LowBlue Mode
- EasyRead
- sRGB
- Adaptive sync

## Connectivity
- Signal Input: HDMI 1.4 x 1, USB-C x 1 (DisplayPort Alt mode, data 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
- User convenience: Power On/Off, Menu, Volume, Input, SmartImage Game
- 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)
- Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 11/10

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

## Power
- On mode: 18.3 W (typ.)
- Standby mode: 0.5 W (typ.)
- Off mode: 0.3 W (typ.)
- Energy Label Class: E
- Power LED indicator: Operation - White, Standby mode - White (flashing)
- Power supply: 100–240 VAC, 50–60 Hz, Internal

## Dimensions
- Product with stand (max height): 542 x 442 x 187 mm
- Product without stand (mm): 542 x 316 x 45 mm
- Packaging in mm (W x H x D): 730 x 391 x 141 mm

## Weight
- Product with stand (kg): 4.68 kg
- Product without stand (kg): 3.06 kg
- Product with packaging (kg): 6.97 kg

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

## 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, TUV/ ISO9241-307, TUV-BAUART, EAC, FCC, ICES-003, VCCI

## Cabinet
- Colour: Black
- Finish: Textured

## What's in the box?
- Monitor with stand
- Cables: HDMI cable, USB-C to USB-C cable, Power cable
- User Documentation

* The maximum resolution works for HDMI input only.
* 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 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 Video transmission via USB-C, your Notebook/device must support USB-C DP Alt mode
* 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.
* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* 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.
* The products and accessories listed on this leaflet may differ by country and region.
* The monitor may look different from feature images.

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