



Philips
FHD LCD monitor with
USB-C dock

B Line

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



241B7QUPBEB

Simplify your connections with revolutionary USB-C

Simple USB-C connection and crystal-clear IPS images. The Philips B-line monitor with USB-C connector allows simple notebook docking via one cable for fast data and video to full HD IPS display, and even notebook charging.

Designed for people

- All your connections through one USB-C cable
- Narrow border display for seamless appearance
- SmartErgoBase enables user-friendly ergonomic adjustments
- Less eye fatigue with Flicker-Free technology
- LowBlue Mode for easy-on-the-eyes productivity
- EasyRead mode for a paper-like reading experience

Excellent performance

- IPS technology for full colours and wide viewing angles

Easy to experience

- Built-in stereo speakers for multimedia

Sustainable Eco-friendly solution

- PowerSensor saves up to 70% energy costs

PHILIPS

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Highlights

USB-C Docking



The new USB 3.1 Type-C cable with features a slim and reversible connector and offers easy one-cable docking. With USB 3.1 you get the fastest data speeds, 20 times as fast as USB 2.0, allowing you to transfer data from a HDD to your PC faster than ever. Simplify by connecting all your peripherals to your monitor as a dock with one cable to the notebook, including high resolution video output from your PC to monitor. Additionally, USB-C with power delivery even allows you to power and charge your notebook from the monitor, eliminating the need for extra power cables.

Ultra-narrow Border



The new Philips displays feature ultra-narrow borders which allow for minimal distractions and maximum viewing size. Especially suited for multi-display or tiling setups like gaming, graphic design and professional applications, the ultra-narrow border display gives you the feeling of using one large display.

SmartErgoBase



The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The user-friendly height, swivel, tilt and rotation angle adjustments of the base allow the monitor to be positioned for maximum comfort to help ease the physical strains of a long workday. In addition, cable management reduces cable clutter and keeps the workspace neat and professional.

Flicker-Free technology



Due to the way brightness is controlled on LED-backlit screens, some users experience flicker on their screen which causes eye fatigue. Philips Flicker-Free technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

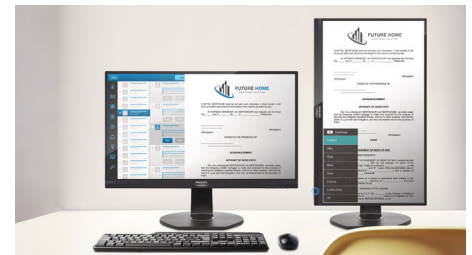
LowBlue Mode



Studies have shown that just as ultra-violet rays can cause eye damage, shortwave-length blue

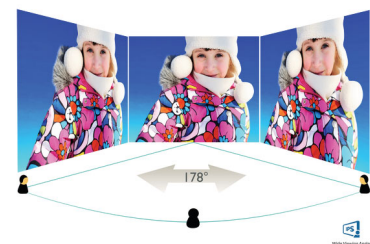
light rays from LED displays can cause eye damage and affect vision over time. Developed for wellbeing, the Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.

EasyRead mode



EasyRead mode for a paper-like reading experience

IPS technology



IPS displays use advanced technology that gives you extra-wide viewing angles of 178/178 degrees, making it possible to view the display from almost any angle — even in 90-degree Pivot mode! Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colours, making it ideal not only for Photos, films and web browsing, but also for professional applications that demand colour accuracy and consistent brightness at all times.

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.



USB-C Docking



Ultra Narrow Bezel



SmartErgo Base



Flicker-free



LowBlue Mode



EasyRead



IPS Wide Viewing Angle



Built-in Speaker



Ethernet

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 x 296.5 mm
- Aspect ratio: 16:9
- Maximum resolution: 1920 x 1080 @ 75 Hz*
- Pixel Density: 93 PPI
- Response time (typical): 5 ms (Grey to Grey)*
- Brightness: 250 cd/m²
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Pixel pitch: 0.275 x 0.275 mm
- Viewing angle: 178° (H)/178° (V), @ C/R > 10
- Flicker-free
- Picture enhancement: SmartImage
- Display colours: 16.7 M
- Colour gamut (typical): NTSC 85%*, sRGB 102%*
- Scanning Frequency: 30 - 83 kHz (H) / 56 - 76 Hz (V)
- sRGB
- LowBlue Mode
- EasyRead

Connectivity

- Signal Input: VGA (Analogue), DisplayPort 1.2 x 1, HDMI 1.4 x 1, USB-C 3.1 Gen 2 x 1 (upstream, power delivery up to 65 W), USB 3.0 x 2 (downstream, w/ fast charging)
- Signal Output: DisplayPort out
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): PC audio-in, Headphone out
- RJ45: Ethernet LAN up to 1G*

USB docking

- USB-C: Reversible plug connector
- Super speed: Data and Video transfer
- DP: Built-in DisplayPort Alt mode
- USB-C power delivery: USB PD version 2.0
- USB-C max. power delivery: Up to 65 watts (5 V/3 A; 7 V/3 A; 9 V/3 A; 12 V/3 A; 15 V/3 A; 20 V/3 A)

Convenience

- Built-in Speakers: 2 W x 2
- User convenience: SmartImage, Input, PowerSensor, Menu, Power On/Off
- Control software: SmartControl
- OSD Languages: English, French, German, Italian,

- Portuguese, Russian, Simplified Chinese, Spanish, Korean, Brazil Portuguese, Czech, Dutch, Finnish, Greek, Hungarian, Japanese, Polish, Swedish, Traditional Chinese, Turkish, Ukrainian
- Other convenience: Kensington lock, VESA mount (100 x 100 mm)
- Plug and Play Compatibility: DDC/CI (VGA only), Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7

Stand

- Height adjustment: 150 mm
- Pivot: 90 degree
- Swivel: -175/175 degree
- Tilt: -5/30 degree

Power

- ECO mode: 11.8 W (typ.)
- On mode: 13.14 W (typ.) (EnergyStar test method)
- Standby mode: <0.7 W (typ.)
- Off mode: <0.3 W (typ.)
- Energy Label Class: A
- Power LED indicator: Operation - White, Standby mode - White (flashing)
- Power supply: External, 100-240 VAC, 50-60 Hz

Dimensions

- Product with stand (max height): 541 x 527 x 257 mm
- Product without stand (mm): 541 x 332 x 57 mm
- Packaging in mm (W x H x D): 603 x 492 x 224 mm

Weight

- Product with stand (kg): 5.72 kg
- Product without stand (kg): 3.29 kg
- Product with packaging (kg): 8.94 kg

Operating conditions

- Temperature range (operation): 0°C to 40°C °C
- Temperature range (storage): -20°C to 60°C °C
- Relative humidity: 20%-80 %
- Altitude: Operation: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
- MTBF (demonstrated): 70,000 hrs (excluded backlight)

Sustainability

- Environmental and energy: EnergyStar 8.0, EPEAT*, PowerSensor, TCO Certified Edge, RoHS
- Recyclable packaging material: 100 %

- Post-consumer recycled plastic: 85%
- Specific Substances: PVC/BFR free housing, Mercury free, Lead free

Compliance and standards

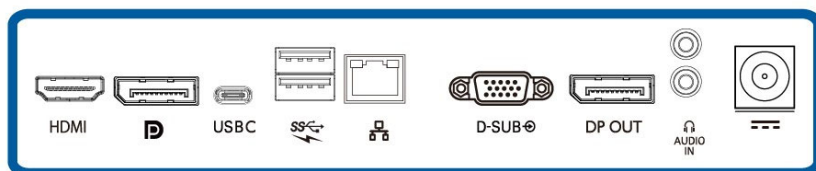
- Regulatory Approvals: CE Mark, FCC Class B, SEMKO, cETLus, CU-EAC, TUV Ergo, TUV/GS, EPA, WEEE, UKRAINIAN, ICES-003, RCM, VCCI

Cabinet

- Front bezel: Black
- Rear cover: Black
- Foot: Black
- Finish: Texture

What's in the box?

- Monitor with stand
- Cables: D-Sub cable, HDMI cable, DP cable, USB-C to C cable, USB-C to A cable, Audio cable, Power cable
- User Documentation



I/O back panel connector diagram



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* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.

* 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.

* Activities such as screen sharing and online streaming over the Internet can impact your network performance. Your hardware and network bandwidth will determine the overall audio and video quality.

* The maximum resolution works for either HDMI, DP or USB-C input.

* Response time value equal to SmartResponse

* NTSC Area based on CIE 1976

* sRGB Area based on CIE 1931

* If your Ethernet connection seems slow, please enter the OSD menu and select USB 3.0 or a higher version that can support the LAN speed up to 1G.

* EPEAT rating is valid only where Philips registers the product. Please visit <https://www.epeat.net/> for registration status in your country.

* The notebook, keyboard and mouse shown are for illustration purpose only and not included with the product.

* The monitor may look different from feature images.