

PHILIPS



LCD monitor with USB-C docking

B Line

24 (23.8" / 60.5 cm diag.)

1920 x 1080 (Full HD)



241B7QUBHEB

Simplify your connections with USB docking

This Philips monitor offers a simple, one-cable laptop-docking solution. One USB dual-mesh cable with Type C and A connectors delivers video, Ethernet, power-charge and DisplayLink functions.

Brilliant performance

- IPS technology for full colours and wide viewing angles
- LowBlue Mode for easy-on-the-eyes productivity
- DisplayPort-out for connecting additional displays

Sustainable Eco-design

- 100% recyclable packaging
- PowerSensor saves up to 80% energy costs

Single cable for USB docking

- Built-in RJ-45 Ethernet gives data security
- Built-in USB docking simplifies your connections
- One USB dual-mesh cable further reduces cable clutter
- USB 3.2 high-speed data transfer
- USB-A with DisplayLink enables compatibility with existing laptops
- USB-C enables laptop power charging directly from a monitor

Highlights

USB Docking

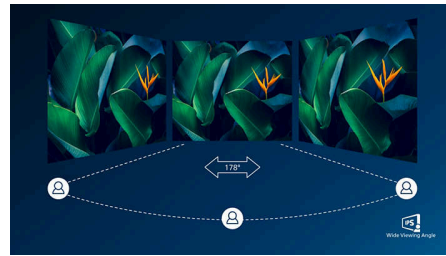
Philips USB-docking monitors deliver universal port replication for simple, clutter-free notebook connection. Securely connect to networks and transmit data, video and audio from a laptop using just a single USB cable. What's more, you can dock with a USB Type-C port for additional power charging. With docking monitors with built-in DisplayLink Technology, users can benefit from forwards and backwards USB compatibility with virtually any recent notebook. USB docking can boost business productivity and reduce costs.

USB Type-C connection



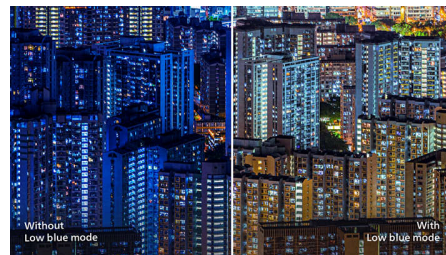
This Philips display features a built-in USB type-C docking station with power delivery. With intelligent and flexible power management, you can power charge your compatible* laptop directly. Its slim, reversible USB-C connector allows for easy, one-cable docking. Simplify by connecting all your peripherals like keyboard, mouse and your RJ-45 Ethernet cable to the monitor's docking station. You can watch high-resolution video and transfer data at super-speed, while powering up and re-charging your notebook at the same time.

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.

LowBlue Mode



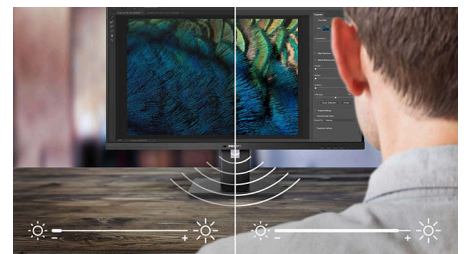
Studies have shown that just as ultra-violet rays can cause eye damage, shortwave-length blue light rays from LED displays can cause eye damage and affect vision over time. Developed for wellbeing, the Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.

DisplayPort-out



With DisplayPort-out you can connect multiple high-resolution displays with just one cable from your first display to the PC. The ability to daisy chain multiple displays enables you to maintain a clean desktop without the hassle of too many wires.

PowerSensor



PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if the user is present and then automatically reduces monitor brightness when then user steps away from the desk, cutting energy costs by up to 80 percent and prolonging monitor life



Specifications

Picture/Display

Panel Size: 23.8 inch/60.5 cm

Aspect ratio: 16:9

LCD panel type: IPS technology

Backlight type: W-LED system

Pixel pitch: 0.275 x 0.275 mm

Brightness: 250 cd/m²

Display colours: 16.7 M

Colour gamut (typical): NTSC 85%*, sRGB 102%*

Contrast ratio (typical): 1000:1

SmartContrast: 50,000,000:1

Response time (typical): 5 ms (Grey to Grey)*

Viewing angle: 178° (H)/178° (V), @ C/R > 10

Picture enhancement: SmartImage

Maximum resolution: 1920 x 1080 @ 75 Hz*

Effective viewing area: 527 (H) x 296.5 (V)

Scanning Frequency: 30–85 kHz (H) / 48–75 Hz (V)

sRGB

Flicker-free

Pixel Density: 93 PPI

LowBlue Mode

Display Screen Coating: Anti-Glare, 3H, Haze 25%

EasyRead

Connectivity

Signal Input: DisplayPort 1.2 x 1, HDMI 1.4 x 1, USB-C 3.2 Gen 2 x 1 (DP Alt mode, power delivery up to 65 W)

Sync Input: Separate Sync, Sync on Green

Audio (In/Out): Audio out

RJ45: Ethernet LAN up to 1 G*

Signal Output: DisplayPort out (DP, USB-C)*

USB:: USB-C 3.2 x 1 Gen 2 (upstream), USB 3.2 x 4 (downstream, w/ 1 fast charging)

DC power out: x 1 (support 19 V, max 65 W)*

USB

Power delivery: USB PD version 3.0

USB-C max. power delivery: Up to 65 watts (5 V/3 A, 9 V/3 A, 10 V/3 A, 12 V/3 A, 15 V/3 A, 20 V/3.25 A)

USB-C to USB-A: Video, Data

USB-C to USB-C: Video (DP Alt mode), Data, Power delivery

Convenience

Built-in Speakers: 2 W x 2

Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10/8.1/8/7

User convenience: SmartImage, Input,

PowerSensor, Menu, Power On/Off

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)

Control software: SmartControl

Built-in webcam: Pop-up 2.0 megapixel FHD camera with microphone and LED indicator

Stand

Height adjustment: 150 mm

Pivot: 90 degree

Swivel: -175/175 degree

Tilt: -5/30 degree

Power

ECO mode: 13.7 W (typ.)

Power supply: Built-in, 100–240 VAC, 50–60 Hz

Off mode: Zero watts with Zero switch

On mode: 16.7 W (typ.) (EnergyStar 7.0 test method)

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): 603 x 492 x 224 mm

Product without stand (mm): 541 x 332 x 57 mm

Product with stand (max height): 541 x 527 x 257 mm

Specifications

Weight

Product with packaging (kg): 8.99 kg
Product with stand (kg): 6.30 kg
Product without stand (kg): 3.87 kg

Operating conditions

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

Sustainability

Environmental and energy: PowerSensor, Energy Star 7.0, EPEAT*, TCO Certified Edge, RoHS, WEEE
Post-consumer recycled plastic: 85%

Recyclable packaging material: 100 %
Specific Substances: PVC/BFR free housing, Mercury free

Compliance and standards

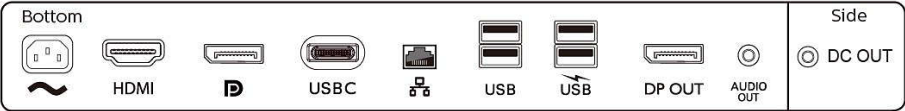
Regulatory Approvals: CE Mark, FCC Class B, cETLus, CU-EAC, TUV Ergo, TUV/GS, EPA, UKRAINIAN, ICES-003, CB, KUCAS, SASO

Cabinet

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

What's in the box?

Cables: HDMI cable, DP cable, USB-C to C/A cable, DC out cable, Power cable
Monitor with stand
User Documentation



* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* The maximum resolution works for either USB-C, DP or HDMI input.
* Response time value equal to SmartResponse
* NTSC Area based on CIE 1976
* sRGB Area based on CIE1931
* 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.
* DisplayPort out works only under either DP in or USB-C in.
* DC power out function only supports Intel NUC with 19 V, max 65 W. Only one PC or notebook should be connected to either USB-C or DC out port for power passthrough function.
* 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 monitor may look different from feature images.