Philips
LCD monitor with USB docking

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

243B1JH

Simplify your connections

with hybrid USB docking

This Philips monitor offers 100 W power delivery and a simple laptop docking solution. One USB dual mesh cable with Type C and A connectors delivers video, Ethernet, power charge and DisplayLink functions. Windows Hello webcam offers greater security.

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

Excellent performance
- IPS technology for full colours and wide viewing angles
- LowBlue Mode for easy-on-the-eyes productivity
- Securely sign in with pop-up webcam with Windows Hello™
- DisplayPort-out for connecting additional displays

Designed for sustainability
- Designed to meet environmental standards
- PowerSensor saves up to 80% energy costs
- LightSensor for the perfect brightness with minimal power

Eye Comfort
TÜVRheinland CERTIFIED
www.tuv.com

PHILIPS

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Highlights

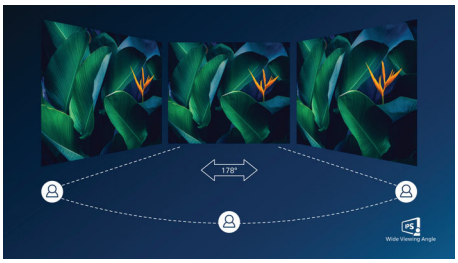
USB Docking

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.

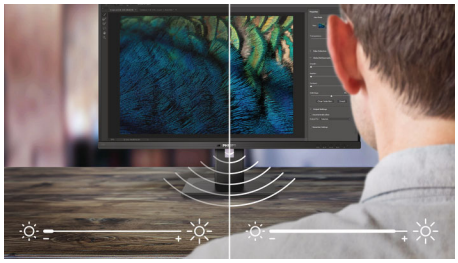
Windows Hello™ pop-up webcam

Philips' innovative and secure webcam pops up when you need it and securely tucks back into the monitor when you are not using it. The webcam is also equipped with advanced sensors for Windows Hello™ facial recognition, which conveniently logs you into your Windows devices in less than 2 seconds, 3 times faster than a password.

DisplayPort-out

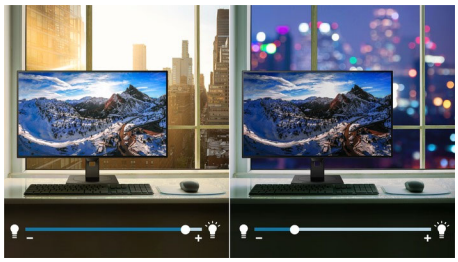
With DisplayPort-out you can connect multiple high-resolution displays with just one cable from your first display to the PC. The ability to daisy chain multiple displays enables you to maintain a clean desktop without the hassle of too many wires.

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

LightSensor



LightSensor uses a smart sensor to adjust the picture brightness depending on the light conditions in the room for the perfect picture with minimal power usage.

USB-C Docking | Wide Viewing Angle | Quad HD | LowBlue Mode | Flicker-free | Windows Hello | PowerSensor | LightSensor | 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: 578.04 (H) x 296.46 (V)
- Aspect ratio: 16:9
- Maximum resolution: 1920 x 1080 @ 75 Hz*
- Pixel Density: 93 PPI
- Response time (typical): 4 ms (Grey to Grey)*
- Brightness: 250 cd/m²
- Contrast ratio (typical): 1000:1
- SmartContrast: 50,000,000:1
- Pixel pitch: 0.2745 x 0.2745 mm
- Viewing angle: 178° (H)/178° (V), @ C/R > 10
- Flicker-free
- Picture enhancement: SmartImage
- Colour gamut (typical): NTSC 88%*, sRGB 105%*
- Display colours: 16.7 M
- Scanning Frequency: 30–85 kHz (H) / 48–75 Hz (V)
- sRGB
- EasyRead
- LowBlue Mode

Connectivity
- Signal Input: DisplayPort 1.4 x 1, HDMI 1.4 x 1, USB-C x 1 (DP Alt mode, DisplayLink)*
- HDCP: HDCP 1.4 (HDMI/DP/USB-C video/ DisplayLink)
- HBR3: for USB-C
- Signal Output: DisplayPort out*
- USB:: Upstream: USB-C 3.2 Gen 1 x 1; Downstream: USB-C x 1 (PD 15 W), USB-A 3.2 x 4 (with 1 fast charge B.C 1.2)
- Audio (In/Out): Audio out
- DC power out: x 1 (support 19 V @ 4.73 A, max. 90 W)*
- RJ45: Ethernet LAN up to 1 G*, Wake on LAN
- Sync Input: Separate Sync

USB
- USB-C: Reversible plug connector
- Super speed: Data and Video transfer
- DP: Built-in Display Port Alt mode
- Power delivery: USB PD version 3.0
- USB-C max. power delivery: Up to 100 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/4.5 A)

Convenience
- Built-in Speakers: 3 W x 2
- Built-in webcam: 2.0 megapixel FHD camera with microphone and LED indicator (for Windows 10 Hello)
- User convenience: SmartImage, Input, PowerSensor, Menu, Power On/Off
- Control software: SmartControl
- 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 10 / 8.1 / 8 / 7

Stand
- Height adjustment: 150 mm
- Pivot: -/+ 90 degree
- Swivel: -/+ 180 degree
- Tilt: -5~30 degree

Power
- ECO mode: 13.5 W (typ.)
- Energy Label Class: E
- On mode: 14.2 W (typ.) (EnergyStar test method)
- Standby mode: 0.35 W
- Off mode: 0.3 W
- Power LED indicator: Operation - White, Standby mode - White (flashing)
- Power supply: External, 100–240 VAC, 50–60 Hz

Dimensions
- Product with stand (max height): 540 x 501 x 205 mm
- Product without stand (mm): 540 x 323 x 51 mm
- Packaging in mm (W x H x D): 600 x 465 x 198 mm

Weight
- Product with stand (kg): 4.88 kg
- Product without stand (kg): 3.27 kg
- Product with packaging (kg): 6.94 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: PowerSensor, LightSensor, EnergyStar 8.0, EPEAT*, RoHS, TCO Certified Edge
- Recyclable packaging material: 100 %
- Post-consumer recycled plastic: 85%
- Specific Substances: PVC/BFR free housing, Mercury free

Compliance and standards
- Regulatory Approvals: UKRAINIAN, CB, TUV/GS, TUV Ergo, SEMKO, CU-EAC, EAEU RoHS, CE Mark, FCC Class B, ICES-003, TUV Eye Comfort certified

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

What's in the box?
- Monitor with stand
- Cables: HDMI cable, DP cable, USB-C/A Y cable, DC out cable, Power cable
- User Documentation

* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* 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 CIE1931
* DisplayPort out works only under either DP in or USB-C in.
* Mac OS does not support DP-Out MST extension function.
* USB-C DP Alt mode means USB-C to C cable, USB-C DisplayLink means USB-C to A cable.
* DC power out function only supports Intel NUC with 19 V@4.73 A, max 90 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.
* For Video transmission via USB-C, your Notebook/device must support USB-C DP Alt mode
* 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.
* 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.
* USB-C max. power delivery is up to 100 W because of Smart Power function. User can adjust monitor brightness setting to get different levels of power delivery. 1st USB-C port can support up to 90 W max and 2nd USB-C port can support up to 15 W max. For more information, please refer to user manual.
* 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.

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