Philips
LCD monitor with USB-C
Dock

B Line
27" (68.6 cm)
Quad HD (2560 x 1440)

272B7QUBHEB

Simplify your connections

with USB docking

The Philips B line monitor with USB-C connector allows simple notebook docking via one cable for fast data and video to a Quad HD IPS display and even notebook charging. A secure pop-up webcam with Windows Hello increases your productivity.

Single cable USB-C connection
- Built-in USB-C docking station
- Connect your notebook with one USB-C cable
- Power and re-charge compatible notebook from the monitor
- View Crystalclear QHD 2560 x 1440 images
- USB 3.2 high-speed data transfer
- Built-in RJ-45 Ethernet gives data security

Brilliant performance
- Ultra Wide-Color wider range of colours for a vivid picture
- 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™
- Built-in USB docking station for connection simplicity

Sustainable Eco-design
- PowerSensor saves up to 80% energy costs

PHILIPS

Highlights

Built-in USB-C docking station

This Philips display features a built-in USB 3.1 type-C docking station with power delivery. Its slim, reversible USB-C connector allows for easy, one-cable docking. Simplify by connecting all of your peripherals like keyboard, mouse and your RJ-45 Ethernet cable to the monitor's docking station. Simply connect your notebook and this monitor with a single USB-C cable to watch high-resolution video and transfer super-speed data, while powering up and re-charging your notebook at the same time.

Power and re-charge notebook

This monitor features a built-in USB-C connector that meets USB Power Delivery standard. With intelligent and flexible power management, you can now power up and/or re-charge your compatible* Notebook directly from the Monitor using a single USB-C cable.
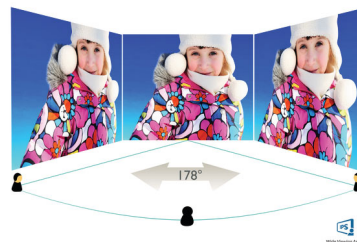
Crystalclear QHD images

These latest Philips screens deliver CrystalClear, Quad HD 2560x1440 or 2560x1080 pixel images. Utilising high-performance panels with a high-density pixel count, enabled by high-bandwidth sources like DisplayPort, HDMI, Dual link DVI, these new displays will make your images and graphics come alive. Whether you are a 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.

Ultra Wide-Color Technology

Ultra Wide-Color Technology delivers a wider spectrum of colours for a more brilliant picture. The Ultra Wide-Color wider "colour gamut" produces more natural-looking greens, vivid reds and deeper blues. Bring media entertainment, images and even productivity more alive with vivid colours from Ultra Wide-Color Technology.
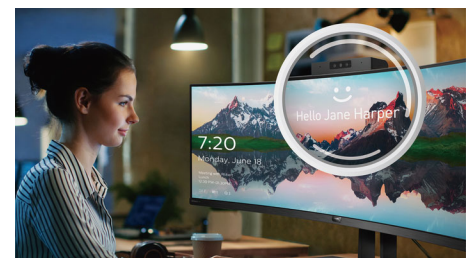
IPS technology

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

Phillips' 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.

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 delivery. 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 Docking   USB-C   Quad HD   Ultra Wide-Color   LowBlue Mode   Windows Hello   PowerSensor   3-sided Frameless   HDMI

Specifications

Picture/Display
- LCD panel type: IPS technology
- Backlight type: W-LED system
- Panel Size: 27 inch / 68.5 cm
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- Effective viewing area: 596.7 (H) x 335.7 (V)
- Aspect ratio: 16:9
- Maximum resolution: 2560 x 1440 @ 75 Hz*
- Pixel Density: 109 PPI
- Response time (typical): 5 ms (Grey to Grey)*
- Brightness: 350 cd/m²
- Contrast ratio (typical): 1000:1
- SmartContrast: 50,000,000:1
- Pixel pitch: 0.233 x 0.233 mm
- Viewing angle: 178° (H)/178° (V), @ C/R > 10
- Flicker-free
- Picture enhancement: SmartImage
- Display colours: 16.7 M
- Colour gamut (typical): NTSC 114%*, sRGB 132%*
- Scanning Frequency: 30-114 kHz (H) / 48-76 Hz (V)
- sRGB
- LowBlue Mode
- 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)
- Signal Output: DisplayPort out
- USB:: USB-C 3.2 x 1 Gen 2 (upstream), USB 3.2 x 4 (downstream, w/ 1 fast charging)
- RJ45: Ethernet LAN (10M/100M/1G)
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): Audio out
- DC power out: x 1 (support 19 V, max 65 W)*

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

Convenience
- Built-in Speakers: 2 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: -175/175 degree
- Tilt: -5/30 degree

Power
- ECO mode: 20.6 W (typ.)
- On mode: 25.6 W (typ.) (EnergyStar 7.0 test method)
- Standby mode: < 0.5 W (typ.)
- Off mode: Zero watts with Zero switch
- Power LED indicator: Operation - White, Standby mode - White (flashing)
- Power supply: Built-in, 100-240 VAC, 50-60 Hz

Dimensions
- Product with stand (max height): 614 x 548 x 257 mm
- Product without stand (mm): 614 x 372 x 56 mm
- Packaging in mm (W x H x D): 690 x 458 x 252 mm

Weight
- Product with stand (kg): 7.52 kg
- Product without stand (kg): 5.10 kg
- Product with packaging (kg): 10.27 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, EnergyStar 7.0, EPEAT*, TCO edge, RoHS, WEEE
- 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, UKRAINIAN, ICES-003, CB
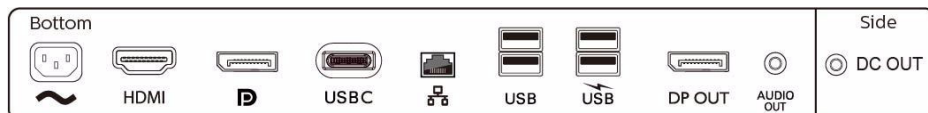
Cabinet
- Front bezel: Black
- Rear cover: Black
- Foot: Black
- Finish: Texture

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

Bottom: ~ | HDMI | ᴅᴘ | USBC | 器 | USB | USB | DP OUT | AUDIO OUT

Side: DC OUT

* "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 CIE 1931
* 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.
* 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.
* The EPEAT rating is valid only where Philips registers the product. Please visit www.epeat.net for the registration status in your country.
* The monitor may look different from feature images.

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