

PHILIPS

LCD monitor with
USB docking

Monitor

B Line

27" (68.6 cm)

2560 x 1440 (QHD)

276B1JH



Simplify your connections

with hybrid USB docking

This Philips monitor offers 100W 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. Windows Hello webcam offers greater security.

Excellent performance

- IPS technology for full colors and wide viewing angles
- DisplayPort-out for connecting additional displays
- LowBlue Mode for easy on-the-eyes productivity
- Secure sign-in with pop-up webcam

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-A with DisplayLink enables existing laptops usage
- USB-C enables laptop power charging directly from a monitor

Designed for sustainability

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

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Highlights

USB Docking

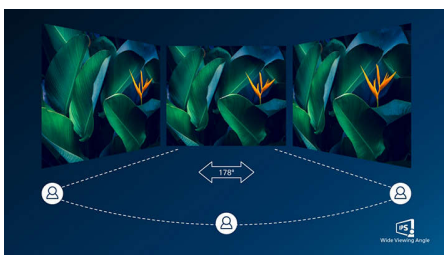
Philips USB-docking monitors deliver universal port replication, for a simple, clutter-free, notebook connection. Securely connect to networks, transmit data, video and audio from laptop only using a single USB cable. Even more, dock with USB Type-C port for extra power charging. For docking monitors with built-in DisplayLink Technology, users can benefit from forward and backward compatibility of USB with virtually any latest 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 a super-speed, while powering up and re-charging your notebook at the same time.

IPS technology



IPS displays use an advanced technology which gives you extra wide viewing angles of 178/178 degree, 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 colors, making it ideal not only for Photos, movies and web browsing, but also for professional applications which demand color 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, Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.

Pop-up webcam



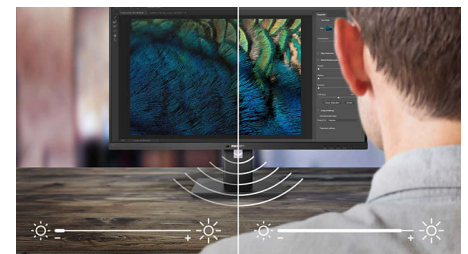
Philips' innovative and secure webcam pops up when you need it and securely tucks back into the monitor when you are not using it. The webcam is also equipped with advanced sensors for Windows Hello facial recognition, which conveniently logs you into your Windows devices in less than 2 seconds, 3 times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

DisplayPort-out



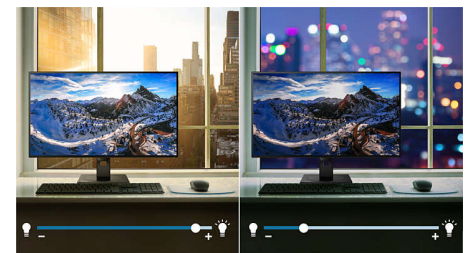
With DisplayPort-out you can connect multiple high resolution displays with just one cable from your first display to the PC. The ability to daisy chain multiple displays enables you to create a clean desktop without the hassle of too many wires all over.

PowerSensor



PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if user is present and automatically reduces monitor brightness when 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 room light conditions for the perfect picture with minimal power usage.



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Specifications

Picture/Display

Panel Size: 27 inch / 68.6 cm
Aspect ratio: 16:9
LCD panel type: IPS technology
Backlight type: W-LED system
Pixel pitch: 0.2331 x 0.2331 mm
Brightness: 350 cd/m²
Display colors: 16.7 M
Color gamut (typical): NTSC 104%*, sRGB 107%*
Contrast ratio (typical): 1000:1
SmartContrast: 50,000,000:1
Response time (typical): 4 ms (Gray to Gray)*
Viewing angle: 178° (H) / 178° (V), @ C/R > 10
Picture enhancement: SmartImage
Maximum resolution: 2560 x 1440 @ 75 Hz*
Effective viewing area: 596.736 (H) x 335.664 (V)
Scanning Frequency: 30 - 114 kHz (H) / 48 - 75 Hz (V)
sRGB
Flicker-free
Pixel Density: 109 PPI
LowBlue Mode
Display Screen Coating: Anti-Glare, 3H, Haze 25%
EasyRead

Connectivity

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

USB

Power delivery: USB PD version 3.0
Super speed: Data and Video transfer
DP: Built-in Display Port Alt mode
USB-C max. power delivery: Up to 100 W*

(5V/3A; 7V/3A; 9V/3A; 10V/3A; 12V/3A; 15V/3A; 20V/4.5A)

USB-C: Reversible plug connector

Convenience

Built-in Speakers: 3 W x 2
Plug & 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, French, Finnish, German, Greek, Hungarian, Italian, Japanese, Korean, Portuguese, Polish, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, Ukrainian
Other convenience: Kensington lock, VESA mount (100x100mm)
Control software: SmartControl
Built-in webcam: Pop-up 2.0 megapixel FHD camera with microphone and LED indicator (for Windows 10 Hello)

Stand

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

Power

ECO mode: 17.6 W (typ.)
Power supply: Built-in, 100-240VAC, 50-60Hz
Off mode: Zero watts with Zero switch
On mode: 17.7 W (typ.) (EnergyStar test method)
Standby mode: 0.3 W
Power LED indicator: Operation - White, Standby mode- White (blinking)

Dimensions

Packaging in mm (WxHxD): 730 x 471 x 193 mm
Product without stand (mm): 613 x 366 x 54 mm
Product with stand(max height): 613 x 537 x 225 mm

Weight

Product with packaging (kg): 11.06 kg
Product with stand (kg): 7.38 kg
Product without stand (kg): 5.59 kg

Operating conditions

Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
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, LightSensor, EnergyStar 8.0, EPEAT*, TCO Certified Edge, RoHS
Post consumer recycled plastic: 85%
Recyclable packaging material: 100 %
Specific Substances: Mercury free, PVC / BFR free housing

Compliance and standards

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

Cabinet

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

- * "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 CIE1976
- * 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 19V@4.73A, max 90W. 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 OSD menu and select USB 3.0 or higher version which can support the LAN speed to 1G.
- * For Video transmission via USB-C, your Notebook/device must support USB-C DP Alt mode
- * Activities such as screen sharing, on-line streaming video and audio over the Internet can impact your network performance. Your hardware, network bandwidth and its performance will determine 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 upto 100W because of Smart Power function. User can adjust monitor brightness setting to get different levels of power delivery. 1st USB-C port can support to 90 W max and 2nd USB-C port can support 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.

