Philips 27B1U5601H(27B1U5601H/00)
Philips 27B1U5601H - 5000 Series - LED monitor - USB - 27" - 2560 x 1440 QHD @ 75 Hz - IPS - 350 cd/m² - 1000:1 - 4 ms - HDMI, DisplayPort, USB-C - speakers - black

This USB-C monitor is for data transfer, power delivery and watching videos. The integrated 5MP webcam delivers sharp images, and the noise canceling mic lets people hear you fine. Windows Hello webcam for quick access and strong security.

Key Selling Points

RJ-45 to USB-C gives easy network connection with security
IPS technology for full colors and wide viewing angles
Crystal clear images with Quad HD 2,560 x 1,440 pixels
DisplayPort-out for connecting additional displays
Built-in KVM switch to easily switch between sources
Webcam with noise-canceling microphone for collaboration
PowerSensor saves up to 75% energy costs
MultiView enables simultaneous dual connection and view
SmartErgoBase enables user-friendly ergonomic adjustments
TUV Eye Comfort certified to reduce eye fatigue

Product Features

RJ-45 to USB-C gives easy network connection with security

Simplify all peripherals from monitor to PC using one-cable docking USB Type-C connector, including networking, high-resolution video output from PC to monitor, and surfing on the Internet without an additional network cable, even without a LAN port on your notebook. RJ45 connection through USB-C offers a fast and secure connection when needed. Getting fast data speeds allows you to transfer data from a HDD to your PC faster than ever. Additionally, USB-C with power delivery can even enable you to power and charge your notebook from the monitor, eliminating the need for extra power cables.

IPS technology for full colors and wide viewing angles

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 colors, making it ideal not only for Photos, films and web browsing, but also for professional applications that demand color accuracy and consistent brightness at all times.

Crystal clear images with Quad HD 2,560 x 1,440 pixels

These Philips screens deliver crystal clear, Quad HD 2,560 x 1,440 pixel images. Utilizing high-performance panels with high-density pixel count, enabled by high-bandwidth sources like Displayport, HDMI and Dual link DVI, these displays will make your images and graphics come alive. Whether you are a demanding professional requiring extremely detailed information for CAD-CAM solutions, a user of 3D graphic applications or a financial wizard working on huge spreadsheets, Philips displays will give you crystal clear images.

DisplayPort-out for connecting additional displays

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.

Built-in KVM switch to easily switch between sources

With the MultiClient Integrated KVM switch, you can control two separate PCs with one monitor-keyboard-mouse setup. A convenient button allows you to quickly switch between sources. Handy with setups that require dual PC computing power or sharing one large monitor to show two different PCs.

Webcam with noise-canceling microphone for collaboration

This Philips monitor comes with a built-in 5MP webcam, a noise-canceling microphone, and speakers, making it perfect for working from home and collaborating remotely. The webcam is certified for Windows Hello and is equipped with advanced sensors for Windows Hello facial recognition, which conveniently logs you into your Windows devices in less than 2 seconds. The physical camera switch offers extra privacy when not in use. The noise-canceling microphone and dual 5 watt integrated speakers deliver clear communications.

PowerSensor saves up to 75% energy costs

PowerSensor is a built-in "people sensor" that transmits and receives harmless infra-red signals to determine if the user is present and automatically reduces monitor brightness when the user steps away from the desk, cutting energy costs by up to 75 percent and prolonging monitor life.

MultiView enables simultaneous dual connection and view

With the ultra-high resolution Philips MultiView display, you can now experience a world of connectivity. MultiView enables active dual connect and view so that you can work with multiple devices like a PC and notebook simultaneously, for complex multitasking.

SmartErgoBase enables user-friendly ergonomic adjustments

The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The base can swivel, tilt and rotate to various angles to ensure maximum comfort. The height-adjustable stand guarantees the optimal viewing level, reducing the physical strains of a long workday, while cable management reduces cable clutter and keeps the workspace neat and professional.

TUV Eye Comfort certified to reduce eye fatigue

Philips displays meet TUV Rheinland Eye Comfort standard to prevent eye strain caused by prolonged computer use. With TUV Eye Comfort certification, Philips displays ensure flicker-free, low-blue mode, no disturbing reflections, a wide viewing angle, less reduction of image quality from different angles and ergonomic stand designs for an ideal viewing experience. Keep your eyes healthy and boost work productivity.

Main Specifications

Product Description	Philips 27B1U5601H - 5000 Series - LED monitor - QHD - 27"
Device Type	LED-backlit LCD monitor - 27"
Energy Class	Class F
KVM Switch	USB
Features	KVM Switch, Gigabit Ethernet network adapter, USB 3.2 Gen 2 hub, webcam, USB PD 100 Watt
Panel Type	IPS
Aspect Ratio	16:9
Native Resolution	QHD 2560 x 1440 at 75 Hz
Pixel Pitch	0.2331 mm
Brightness	350 cd/m²
Contrast Ratio	1000:1 / 50000000:1 (dynamic)
Response Time	4 ms (grey-to-grey)
Colour Support	16.7 million colours (8-bit)
Colour Gamut	101% sRGB (CIE 1931), 89% NTSC (CIE 1976)
Input Connectors	HDMI, DisplayPort, USB-C
Built-in Ethernet	Yes
Audio Input	Microphone
Built-in Webcam	5 Megapixel
Display Position Adjustments	Height, pivot (rotation), swivel, tilt
Screen Coating	Anti-glare, 3H Hard Coating, Haze 25%
Voltage	AC 100-240 V (50/60 Hz)
Colour	Black
Dimensions (WxDxH) - with stand (highest position)	61.3 cm x 22.5 cm x 53.7 cm
Weight	7.3 kg
Environmental Standards	TCO Certified Edge Displays, TCO Certified Displays 9, ENERGY STAR Qualified
Compliant Standards	Plug and Play, FCC Class B certified, TUV GS, ICES-003, SEMKO, CB, TUV Ergo, DDC/CI, CU-EAC, TUV Rheinland Eye Comfort Certification, BFR-free, HDCP 2.2, HDCP 1.4, USB Power Delivery 3.0, PVC-free, 2012/19/EU, Mercury-free, TUV Eye Comfort certified, EAEU RoHS, TCO Certified Edge
Manufacturer Warranty	3-year warranty

Extended Specification

General

Display Type	LED-backlit LCD monitor / TFT active matrix
Energy Class	Class F
Diagonal Size	27"
Built-in Devices	KVM Switch, Gigabit Ethernet network adapter, USB 3.2 Gen 2 hub, webcam

USB Power Delivery	100 Watt
Panel Type	IPS
Aspect Ratio	16:9
Native Resolution	QHD 2560 x 1440 at 75 Hz
Pixel Pitch	0.2331 mm
Pixel Per Inch	109
Brightness	350 cd/m²
Contrast Ratio	1000:1 / 50000000:1 (dynamic)
Colour Support	16.7 million colours (8-bit)
Colour Gamut	101% sRGB (CIE 1931), 89% NTSC (CIE 1976)
Response Time	4 ms (grey-to-grey)
Vertical Refresh Rate	48 - 75 Hz
Horizontal Refresh Rate	30 - 114 kHz
Horizontal Viewing Angle	178
Vertical Viewing Angle	178
Screen Coating	Anti-glare, 3H Hard Coating, Haze 25%
Backlight Technology	WLED
OSD Languages	Hungarian, Czech, Chinese (traditional), Chinese (simplified), Ukrainian, Brazilian Portuguese, English, German, French, Italian, Portuguese, Polish, Finnish, Swedish, Russian, Spanish, Dutch, Greek, Turkish, Japanese, Korean
Features	PowerSensor, MultiView, SmartImage, Smart Ergo base, integrated cable management, PBP, LightSensor, EasyRead, 3-sided bezeless, PIP support, LowBlue Mode, MultiClient KVM
Colour	Black
Dimensions (WxDxH)	61.3 cm x 22.5 cm x 53.7 cm - with stand (highest position)
Weight	7.3 kg

Built-in Webcam

Sensor Resolution	5 Megapixel
Features	LED indicator, Windows Hello compatible

Audio Input

Type	Microphone
Microphone Features	Noise-cancelling

Audio

Type	Speakers - stereo
Output Power / Channel	5 Watt

KVM

Keyboard / Mouse Interface	USB

Connectivity

Interfaces	HDMI 1.4 DisplayPort 1.4 USB-C upstream (DisplayPort Alt Mode, data, power up to 100W) DisplayPort output

USB-C 3.2 Gen 2 upstream (data only)
3 x USB 3.2 Gen 2 downstream
USB 3.2 Gen 2 downstream (BC 1.2)
USB-C 3.2 Gen 2 downstream (data, power up to 15W)
Headphone/microphone combo jack
Network (RJ-45)

Mechanical

Display Position Adjustments	Height, pivot (rotation), swivel, tilt
Tilt Angle	-5/+30
Swivel Angle	360
Rotation Angle	-90/+90
Height Adjustment	150 mm
VESA Mounting Interface	100 x 100 mm

Miscellaneous

Features	Security lock slot (cable lock sold separately), 100% recyclable packaging, textured finish, 85% recycled plastic
Cables Included	HDMI cable USB-C to USB-C / USB-A cable DisplayPort cable
MTBF	70,000 hour(s)
Compliant Standards	Plug and Play, FCC Class B certified, TUV GS, ICES-003, SEMKO, CB, TUV Ergo, DDC/CI, CU-EAC, TUV Rheinland Eye Comfort Certification, BFR-free, HDCP 2.2, HDCP 1.4, USB Power Delivery 3.0, PVC-free, 2012/19/EU, Mercury-free, TUV Eye Comfort certified, EAEU RoHS, TCO Certified Edge
Security Slot Type	Kensington security slot

Power

Input Voltage	AC 100-240 V (50/60 Hz)
Power Consumption SDR (On mode)	26 kWh/1000h
Power Consumption (Typical)	21.5 Watt
Power Consumption Stand by	0.4 Watt
Power Consumption (Off Mode)	0 Watt
On / Off Switch	Yes

Software / System Requirements

Included Software	Philips SmartControl

Dimensions & Weight

Dimensions & Weight Details	With stand (highest position) - width:61.3 cm - depth:22.5 cm - height:53.7 cm - weight:7.3 kg Without stand - width:61.3 cm - depth:5.5 cm - height:36.6 cm - weight:5.54 kg

Dimensions & Weight (Shipping)

Shipping Width	73 cm
Shipping Depth	19.3 cm
Shipping Height	47.1 cm

Shipping Weight	10.88 kg

Sustainability Information

TCO Certified	TCO Certified Edge Displays, TCO Certified Displays 9
ENERGY STAR Certified	Yes
ENERGY STAR Version	8.0

Manufacturer Warranty

Service & Support	Germany:limited warranty - 3 years Austria:limited warranty - 3 years Switzerland:limited warranty - 3 years United Kingdom:limited warranty - 3 years

Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	40 °C
Humidity Range Operating	20 - 80%