27B2U4601/00

This monitor brings all the essentials to the table and more. With a stunning Quad HD resolution, IPS panel and USB-C connectivity, pictures stay vibrant while the connection provides high-speed data transfer.

27"
68.6 cm | Quad HD | **120Hz** | CompactErgo Base | **SoftBlue** technology | PowerSensor | **USB-C 100W**

GENERAL

Brand	Philips Monitors/MMD
Description	Business Monitor 27B2U4601 LCD monitor with USB-C
Footnotes	- "IPS" word mark / trademark and related patents on technologies belong to their respective owners. - Response time value equal to SmartResponse - sRGB Area based on CIE1931, NTSC Area based on CIE1976. - The power delivery of this display is up to 100 W (typically 96 W). The maximum power delivery will depend on your device. - 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. - 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. - When USB-C is set to High Resolution mode, the maximum supported resolution is 2560 x 1440 @ 120 Hz. - When calculating energy costs saving from PowerSensor, both USB and Power delivery are excluded. - 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. - The products and accessories listed on this leaflet may differ by country and region.

DISPLAY INFORMATION

Effective viewing area	596.74 (H) x 335.66 (V) mm
Display Screen coating	Anti-Glare, 3H, Haze 25%
Brightness	350 cd/m²
Contrast ratio (typical)	1500:1
Pixel Pitch	0.2331 x 0.2331 mm
Viewing Angle	178º (H)/178º (V); @ C/R > 10
Scanning Frequency	30-230 KHz (H)/48-120 Hz (V)
sRGB	Yes
Picture enhancement	SmartImage
Pixel Density	109 PPI
EasyRead	Yes
SoftBlue	Yes
Adaptive Sync	Yes
SmartContrast	50,000,000:1
Colour Gamut (typical)	NTSC 114%*, sRGB 125%*

CONNECTIVITY INFORMATION

Sync input	Separate Sync; Sync on Green
RJ45	Ethernet LAN up to 1G*
HDCP	HDCP 1.4 (HDMI/DisplayPort/USB-C), HDCP 2.2 (HDMI/DisplayPort/USB-C)
Signal output	DisplayPort out x 1
HBR3	HBR 3 (DisplayPort/USB-C)
USB Hub	USB 3.2, Gen 2, 10G, upstream: 1 x USB-C1 (Full), downstream: USB-A x 3 (with x 1 fast charge B.C 1.2),USB-C2 x 1 (data, 15 W)
Signal input	HDMI 2.0 x 1, DisplayPort 1.4 x 1, USB-C x 1 (upstream, DP Alt mode, Data, PD)

OTHER INFORMATION

Built-in Speakers	2 W x 2
User convenience	SmartImage; Input; Brightness; 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 (100 x 100 mm)
Plug and Play Compatibility	DDC/CI; Mac OS; sRGB; Windows 11/10

Control software	SmartControl

STAND

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

POWER CONSUMPTION

On mode	19.17 W (typ.) (Energy Star test method)
Standy mode	0.3 W (typ.)
Off mode	0.3 W (typ.)
Power LED indicator	Operation - White; Standby mode - White (flashing)
Power supply	Built-in; 100–240 VAC, 50–60 Hz
ECO Mode	13.8 W (typ.)
Energy label class	C

PRODUCT DIMENSIONS

Product with stand (max height)	614 x 543 x 235 mm
Product without stand (mm)	614 x 371 x 66 mm
Packaging in mm (W x H x D)	730 x 445 x 139 mm

WEIGHT

Product with stand (kg)	7.11 kg
Product without stand (kg)	5.37 kg
Product with packaging (kg)	9.80 kg

OPERATING CONDITION

Temperature range (operation)	0°C to 40 °C
Temperature range (storage)	-20°C to 60 °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; Energy Star; EPEAT*; RoHS
Recyclable packaging material	100 %
Specific Substances	Mercury free; PVC/BFR free housing
Post-consumer recycled plastic	85%+OBP 5%

CABINET INFORMATION

Front bezel	Charcoal
Finish	Texture
Rear cover	Charcoal
Foot	Silver

POWER DELIVERY

Version	USB PD version 3.0
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/3.25 A, 20 V/4.8 A)*

COMPLIANCE AND STANDARDS

Regulatory Approvals	CB; CE Mark; ETL; CEC; TUV/GS; TUV Ergo; TCO Certified; TCO Certified Edge; EAC; EAEU RoHS; MEPS; UKCA; EMF; FCC; ICES-003; TÜV Rheinland Low Blue Light (Hardware Solution); eyesafe® CERTIFIED 2.0

WHAT'S IN THE BOX

Monitor with stand	Yes
Cables	HDMI cable, DisplayPort cable, USB-C to C/C cable, Power cable
User documentation	Yes