PHILIPS

Philips B Line 276B1JH/00 computer monitor 68.6 cm (27") 2560 x 1440 pixels Quad HD LCD Black

Brand : Philips   **Product family:** B Line   **Product code:** 276B1JH/00

Product name : 276B1JH/00

Monitor 276B1JH LCD monitor with USB docking

Philips B Line 276B1JH/00 computer monitor 68.6 cm (27") 2560 x 1440 pixels Quad HD LCD Black:

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.
Philips B Line 276B1JH/00. Display diagonal: 68.6 cm (27"), Display resolution: 2560 x 1440 pixels, HD type: Quad HD, Display technology: LCD, Display surface: Matt, Response time: 4 ms, Native aspect ratio: 16:9, Viewing angle, horizontal: 178°, Viewing angle, vertical: 178°. Built-in speaker(s). Built-in USB hub, USB hub version: 3.2 Gen 1 (3.1 Gen 1). VESA mounting, Height adjustment. Product colour: Black

Display

Display diagonal *	68.6 cm (27")
Display resolution *	2560 x 1440 pixels
HD type *	Quad HD
Native aspect ratio *	16:9
Display technology *	LCD
Panel type *	IPS
Backlight type	W-LED
Touchscreen *	✗
Display brightness (typical)	350 cd/m²
Response time *	4 ms
Display surface	Matt
Anti-glare screen	✔
Screen shape *	Flat
Aspect ratio	16:9
Contrast ratio (typical) *	1000:1
Contrast ratio (dynamic)	50000000:1
Dynamic contrast ratio marketing name	SmartContrast
Maximum refresh rate *	75 Hz
Viewing angle, horizontal	178°
Viewing angle, vertical	178°
Display number of colours *	16.7 million colours
Pixel pitch	0.2331 x 0.2331 mm
Pixel density	109 ppi
Horizontal scan range	30 - 114 kHz
Vertical scan range	48 - 75 Hz
Viewable size, horizontal	59.7 cm
Viewable size, vertical	33.6 cm
Digital horizontal frequency	30 - 114 kHz
Digital vertical frequency	48 - 75 Hz
Display diagonal (metric)	68.6 cm

Ergonomics

VESA mounting *	✔
Panel mounting interface	100 x 100 mm
Cable lock slot *	✔
Cable lock slot type	Kensington
Height adjustment *	✔
Adjustable height (max)	15 cm
Pivot	✔
Pivot angle	-90 - 90°
Swivel angle range	-180 - 180°
Tilt adjustment	✔
Tilt angle range	-5 - 30°
On Screen Display (OSD)	✔
On Screen Display (OSD) languages	Simplified Chinese, Traditional Chinese, Czech, German, Dutch, English, Spanish, Finnish, French, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Swedish, Turkish, Ukrainian
Number of OSD languages	21
Plug and Play	✔
LED indicators	Operation, Stand-by

Power

Energy efficiency class (SDR) *	E
Energy consumption (SDR) per 1000 hours *	20 kWh
Power consumption (typical) *	17.7 W
Power consumption (standby) *	0.3 W
Power consumption (off)	0 W
Power consumption (PowerSave)	17.6 W
AC input voltage	100 - 240 V
AC input frequency	50 - 60 Hz

Display

DDC/CI	✔
Haze rate	25%
Surface hardness	3H
sRGB coverage (typical)	107%
NTSC coverage (typical)	104%
Display sRGB	✔

Performance

NVIDIA G-SYNC *	✘
AMD FreeSync *	✘
Component video sync	Separate sync
Flicker-free technology	✔
Low Blue Light technology	✔
Windows operating systems supported	Windows 10, Windows 7, Windows 8, Windows 8.1
Mac operating systems supported	Mac OS X 10.0 Cheetah, Mac OS X 10.1 Puma, Mac OS X 10.10 Yosemite, Mac OS X 10.11 El Capitan, Mac OS X 10.12 Sierra, Mac OS X 10.13 High Sierra, Mac OS X 10.14 Mojave, Mac OS X 10.15 Catalina, Mac OS X 10.15.3 Catalina, Mac OS X 10.2 Jaguar, Mac OS X 10.3 Panther, Mac OS X 10.4 Tiger, Mac OS X 10.5 Leopard, Mac OS X 10.6 Snow Leopard, Mac OS X 10.7 Lion, Mac OS X 10.8 Mountain Lion, Mac OS X 10.9 Mavericks, Mac OS X 11.0 Big Sur

Multimedia

Number of speakers	2
RMS rated power	3 W
Built-in speaker(s) *	✔
Megapixel (approx.)	2 MP
Built-in microphone	✔
Built-in camera *	✔

Design

Product colour *	Black
Front bezel colour	Black
Feet colour	Black

Ports & interfaces

Built-in USB hub *	✔
USB hub version	3.2 Gen 1 (3.1 Gen 1)
USB upstream port type	USB Type-C
Number of upstream ports	1
Number of USB Type-C upstream ports quantity	1
USB Type-A downstream ports quantity	4
USB Type-C downstream ports quantity	1
USB Type-C DisplayPort Alternate Mode	✔
USB Power Delivery (USB PD)	✔
USB Power Delivery up to	100 W
DVI port	✘
HDMI *	✔
HDMI ports quantity	1
HDMI version	1.4
DisplayPorts quantity	1
DisplayPort version	1.4
Audio input	✘

Power

AC adapter output voltage	19 V
Power supply type	Internal
Energy efficiency scale	A to G
European Product Registry for Energy Labelling (EPREL) code	403953

Operational conditions

Operating temperature (T-T)	0 - 40 °C
Storage temperature (T-T)	-20 - 60 °C
Operating relative humidity (H-H)	20 - 80%
Operating altitude	0 - 3658 m
Non-operating altitude	0 - 12192 m

Weight & dimensions

Width (with stand)	613 mm
Depth (with stand)	225 mm
Height (with stand)	537 mm
Weight (with stand)	7.38 kg
Width (without stand)	613 mm
Depth (without stand)	54 mm
Height (without stand)	366 mm
Weight (without stand)	5.59 kg

Packaging data

Package width	730 mm
Package depth	193 mm
Package height	471 mm
Package weight	11.1 kg

Packaging content

Stand included	✔
Cables included	HDMI, DisplayPort, USB Type-C, DC, AC
Manual	✔
Bundled software	SmartControl

Sustainability

Sustainability certificates	ENERGY STAR, TCO
Doesn't contain	Mercury, PVC/BFR

Other features

HBR3 support	✔
USB Power Delivery revision	3.0
Exterior finish type	Textured
Recyclable packaging material	100%
Heavy metals free	Hg (mercury), Pb (lead)
ECO mode	✔
Light sensor	✔
EasyRead mode	✔
LowBlue mode	✔
Picture enhancement	SmartImage
Regulatory Approvals	UKRAINIAN; CB; TUV/GS; TUV Ergo; CU-EAC; EAEU RoHS; FCC Class B; ICES-003; CE Mark; TUV Eye Comfort certified
Compliance certificates	RoHS
Mean time between failures (MTBF)	70000 h
Ethernet LAN data rates	10,100,1000 Mbit/s
Ethernet LAN (RJ-45) ports	1
Wake-on-LAN	✔
Certification	UKRAINIAN, CB, TUV/GS, TUV Ergo, SEMKO, CU-EAC, EAEU RoHS, FCC Class B, ICES-003, CE Mark, TUV Eye Comfort certified

Ports & interfaces	
Audio output	✔
Headphone out *	✘
HDCP	✔
HDCP version	1.4
DC-in jack	✔
DisplayPort output	✔

Network	
Ethernet LAN	✔

Recycling data	
Post-consumer recycled plastic	85%

Logistics data	
Harmonized System (HS) code	85285210

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