

Open-frame touch-screen monitor



- B Line
- 17" (43.2 cm)
- 1280 x 1024 (SXGA)

172B1TFL/00

Brilliant interactive display with SmoothTouch

Philips open-frame touch monitor provides optimal flexibility for mounting. A sturdy, water and dust resistant, edge-to-edge design to fit your needs. Great brightness performance and anti-glare display creates outstanding picture clarity.

Benefits

Brilliant interactive display

- SmoothTouch display for natural, fluid touch response
- Monitor front surface meets IP65 for water and dust resistance
- Anti-glare coating (AG) for reducing the visual interference
- SmartContrast for rich black details
- LowBlue Mode for easy-on-the-eyes productivity
- Less eye fatigue with Flicker-Free technology

- EasyRead mode for a paper-like reading experience

Easy to experience

- HDMI ensures universal digital connectivity
- DisplayPort connection for maximum visuals
- VESA mount allows for flexibility

Features

SmoothTouch



This Philips display uses Projected capacitive 10-point touch technology for fluid response. You can fully utilise the new capabilities of touch-based

applications and bring your older applications to life. Touch-type with 10 fingers or play exciting interactive games with your friends. Collaborate with colleagues interactively at work or school environment and increase your productivity and efficiency.



PHILIPS

Water- and dust-resistant



For less-than-perfect environments, you need a monitor that's designed to hold up to the splashes of water and dust that happen in the everyday world. Ingress Protection (IP) ratings defined in international standard IEC/EN 60529, are used to define levels of sealing effectiveness of electrical enclosures against intrusion from foreign bodies and moisture. This Philips display meets the international IP rating for water and dust resistance. It will hold up to the water splashes and dust that happen in the everyday world.

Anti-glare coating



Anti-Glare Coating, abbreviated AG, can reduce the glare of your touch monitor screen. This chemical process is made in the back of the touch glass and therefore you don't need an additional film to have comfort in your eyes. Images are crystal clear with pure colour and great clarity.

SmartContrast



SmartContrast is a Philips technology that analyses the contents you are displaying, automatically adjusting colours and controlling backlight intensity to dynamically enhance contrast for the best digital images and videos or when playing games where dark hues are displayed. When Economy mode is selected, contrast is adjusted and backlighting fine-tuned for just-right display of everyday office applications and lower power consumption.

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

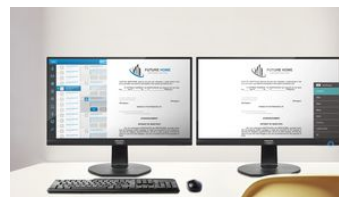
setting uses a smart software technology to reduce harmful shortwave blue light.

Flicker-Free technology



Due to the way brightness is controlled on LED-backlit screens, some users experience flicker on their screen which causes eye fatigue. Philips Flicker-Free technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

EasyRead mode



HDMI Ready



An HDMI-ready device has all the required hardware to accept High-Definition Multimedia Interface (HDMI) input. An HDMI cable enables high-quality digital video and audio to be transmitted over a single cable from a PC or any number of AV sources (including set-top boxes, DVD players, A/V receivers and video cameras).

DisplayPort connection



DisplayPort is a digital link from PC to monitor without any conversion. With higher capabilities than DVI standard, it is fully capable to support up to 15 metre cables and 10.8 Gbps/sec data transfer. With this high performance and zero latency, you get the fastest imaging and refresh rates — making DisplayPort the best choice for not only general office or home use, but also for the more demanding gaming and films, video editing and more. It also keeps interoperability in mind via the use of various adapters.

VESA mount

Specifications

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Picture/Display

LCD panel type	TFT-LCD (TN)
Backlight type	W-LED system
Panel Size	17 inch/43.2 cm
Effective viewing area	337.92 (H) x 270.336 (V)
Aspect ratio	5:4
Maximum resolution	1280 x 1024 @ 75 Hz*

Pixel Density	96 PPI
Response time (typical)	4 ms (Grey to Grey)*
Brightness	400 cd/m ²
Contrast ratio (typical)	1000:1
SmartContrast	50,000,000:1

data subject to change
2023, June 20

Pixel pitch	0.264 x 0.264 mm
Viewing angle	160° (H) / 140° (V) @ C/R > 10
Picture enhancement	SmartImage
Colour gamut (typical)	NTSC 90% (CIE 1931)
Display colours	16.7 M
Scanning Frequency	30 - 83 kHz (H) / 50 - 75 Hz (V)
sRGB	Yes
Flicker-free	Yes
EasyRead	Yes
LowBlue Mode	Yes

Touch

Touch technology	Projected capacitive
Touch points	10 points
Touch method	Stylus, Finger, Glove*
Touch interface	USB
Touch glass hardness	7 H
Touch glass coating	AG coating (Haze: 5% +/- 3%, Gloss: 80 +/- 10)
Touch active area	339.72 mm (H) x 270.336 mm (V)
Operating system	Windows 10 / 8.1 / 8 / 7; Android 11 / 10 / 9 / 8*
Palm rejection area	>= 30 x 30 mm
Brightness	340 nits (typ.)
Ingress protection	IP65 - front only
Sealability	Touchscreen sealed to bezel; Touchscreen sealed to LCD

Connectivity

Signal Input	VGA (Analogue) DVI-D (digital, HDCP) DisplayPort 1.2 HDMI 1.4
USB:	USB 3.2 x 1 (Upstream), USB 3.2 x 2 (Downstream with 1 fast charge B.C 1.2), mini USB x 1
Sync Input	Separate Sync Sync on Green
Audio (In/Out)	Audio out

Convenience

User convenience	SmartImage Input Brightness Menu Power On/Off
Control software OSD Languages	SmartControl 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 OSD keypad control VESA mount (100 x 100 mm)
Plug and Play Compatibility	DDC/CI sRGB Windows 10 / 8.1 / 8 / 7

Power

ECO mode	7.9 W (typ.)
On mode	12.1 W (typ.)
Standby mode	0.4 W (typ.)
Off mode	0.3 W (typ.)
Energy Label Class	E
Power LED indicator	Operation - White Standby mode - White (flashing)
Power supply	External 100-240 VAC, 50-60 Hz

Dimensions

Product without stand (mm)	383 x 329 x 49 mm
Packaging in mm (W x H x D)	465 x 384 x 123 mm

Weight

Product without stand (kg)	4.30 kg
Product with packaging (kg)	5.83 kg

Operating conditions

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)
Operational time	24/7
Installation or placement	Landscape/Portrait/Face up

Sustainability

Environmental and energy	RoHS
Recyclable packaging material	100 %
Specific Substances	PVC/BFR free housing Mercury free

Compliance and standards

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

Front bezel	Black
Rear cover	Black
Finish	Texture

What's in the box?

Monitor	Yes
Cables	HDMI cable, DP cable, USB-A to B cable, Power cable
User Documentation	Yes
L-Brackets system	Yes
OSD keypad	Yes

- * The maximum resolution works for either HDMI input or DP input.
- * Response time value equal to SmartResponse
- * NTSC Area based on CIE 1976
- * sRGB Area based on CIE1931
- * Glove material and thickness: Nitrile (0.15 mm), Cotton (0.31 mm), CPE (0.03 mm), PVC (0.12 mm)
- * Please refer to "SmoothTouch" in the user manual for more details on operating system support when using the touch function.
- * The monitor may look different from feature images.



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