PHILIPS

LCD monitor with SmoothTouch

Monitor

B Line

17" (43.2 cm)

1280 x 1024 (SXGA)

172B9TL

Brilliant interactive display with SmoothTouch

A sturdy, water-resistant and dust-resistant, anti-glare touchscreen monitor for flexible use anywhere, with articulating stand to fit angles you need. Offering simple and intuitive use across applications, greatly boosts productivity.

Brilliant interactive display

- SmoothTouch display for natural, fluid touch response
- EasyRead mode for a paper-like reading experience
- Less eye fatigue with Flicker-Free technology
- LowBlue Mode for easy-on-the-eyes productivity
- SmartContrast for rich black details
- Stylus for fluid and accurate performance with more control
- Monitor front surface meets IP65 for water and dust resistance
- Anti-glare coating (AG) for reducing the visual interference

Easy to experience

- HDMI ensures universal digital connectivity
- DisplayPort connection for maximum visuals
- VESA mount allows for flexibility
- USB 3.1 high-speed data transfer
- SmartStand with adjustable angles, boosts productivity

Monitor

LCD monitor with SmoothTouch

172B9TL/00

Highlights

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.

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

EasyRead mode for a paper-like reading experience

SmartStand

Philips SmartStand allows for flexible adjustment of the screen. Its Z-type structure with smooth tilt, height adjustment and folding capabilities enables you to use it in various ergonomic positions. You can set the stand in upright position for better touch control or recline it backwards, making it easy for you to draw or annotate. It even allows you to put the screen almost flat on the table for some applications when required.

SmoothTouch AG Anti-glare Coating LowBlue Mode Flicker-free EasyRead SmartStand HDMI

Highlights

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).

High-speed data transfer

USB 3.1 high-speed data transfer

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

VESA mount allows for flexibility

SmoothTouch
AG Anti-glare Coating
LowBlue Mode
Flicker-free
EasyRead
SmartStand

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Specifications

Picture/Display

Panel Size: 17 inch/43.2 cm
Aspect ratio: 5:4
LCD panel type: TFT-LCD (TN)
Backlight type: W-LED system
Pixel pitch: 0.264 x 0.264 mm
Optimum resolution: 1280 x 1024 @ 60 Hz
Brightness: 250 cd/m²
Display colours: 16.7 M
Colour gamut (typical): NTSC 87%*, sRGB 103%*
Contrast ratio (typical): 1000:1
SmartContrast: 50,000,000:1
Response time (typical): 1 ms (Grey to Grey)*
Viewing angle: 170º (H)/160º (V), @ C/R > 10
Picture enhancement: SmartImage
Effective viewing area: 337.9 (H) x 270.3 (V)
Scanning Frequency: 30–85 kHz (H) / 48–75 Hz (V)
sRGB
Flicker-free
Pixel Density: 96 PPI
LowBlue Mode
EasyRead

Touch

Ingress protection: IP65 - front only
Operating system: Windows 10 / 8.1 / 8 / 7; Android 7.1 / 7.0 / 6.0 / 5.0 / 4.4; certain Linux versions*
Sealability: Touchscreen sealed to bezel; Touchscreen sealed to LCD
Touch active area: 337.9 mm (H) x 270.3 mm (V)
Touch glass hardness: 7 H
Touch interface: USB
Touch method: Stylus, Finger, Glove*
Touchpoints: 10 points
Touch technology: Projected capacitive
Palm rejection area: >= 30 x 30 mm
Touch glass coating: Haze: 5% -/+ 3%, Gloss: 80 -/+ 10

Connectivity

Signal Input: VGA (Analogue), DVI-D (digital, HDCP), DisplayPort 1.2, HDMI 1.4
USB: USB 3.1 x 2 (1 w/fast charging)*
Sync Input: Separate Sync, Sync on Green
Audio (In/Out): PC audio-in, Headphone out

Convenience

Built-in Speakers: 2 W x 2
Plug and Play Compatibility: DDC/CI, sRGB, Windows 10 / 8.1 / 8 / 7
User convenience: SmartImage, Input, Brightness, Menu, Power On/Off
OSD Languages: 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, VESA mount (100 x 100 mm)
Control software: SmartControl

Stand

Height adjustment: 184 (Horizontal), 76 (Vertical) mm
Tilt: -5–90 degree
Folding angle: 0–70 degrees

Power

ECO mode: 7.7 W (typ.)
Power supply: External, 100–240 VAC, 50–60 Hz
Off mode: 0.3 W (typ.)
On mode: 9.14 W (typ.) (EnergyStar test method)
Standby mode: 0.3 W (typ.)
Power LED indicator: Operation - White, Standby mode - White (flashing)
Energy Label Class: D

Dimensions

Packaging in mm (W x H x D): 445 x 420 x 159 mm
Product without stand (mm): 376 x 322 x 45 mm
Product with stand (max height): 376 x 399 x 227 mm

Weight

Product with packaging (kg): 7.95 kg
Product with stand (kg): 6.24 kg
Product without stand (kg): 3.26 kg

Operating conditions

Altitude: Operation: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
Temperature range (operation): 0°C to 40°C °C
Relative humidity: 20%-80 %
Temperature range (storage): -20°C to 60°C °C
MTBF (demonstrated): 70,000 hrs (excluded backlight)

Sustainability

Environmental and energy: EnergyStar 8.0, EPEAT*, TCO Certified, RoHS, WEEE
Recyclable packaging material: 100 %
Specific Substances: PVC/BFR free housing, Mercury free

Compliance and standards

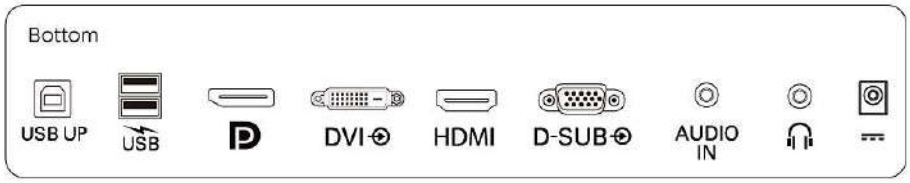
Regulatory Approvals: CB, CE Mark, FCC Class B, SEMKO, UKRAINIAN, ICES-003, TUV/GS, TUV Ergo, CU-EAC, EAEU RoHS

Cabinet

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

What's in the box?

Cables: D-Sub cable, HDMI cable, DP cable, USB-A to B cable, Audio cable, Power cable
Monitor with stand
User Documentation
Accessory: Stylus touch pen x 1 (black)



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* Response time value equal to SmartResponse
* 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.
* NTSC Area based on CIE 1976
* sRGB Area based on CIE1931
* Fast charging complies with USB BC 1.2 standard
* 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.

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