

Philips
Open-frame touch-screen
monitor

B Line

17" (43.2 cm)
1280 x 1024 (SXGA)

172B1TFL



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.

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



PHILIPS

Open-frame touch-screen monitor
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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



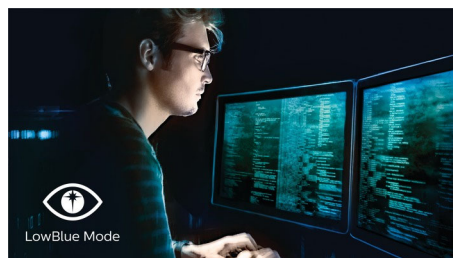
Anti-Glare Coating, abbreviated AG, can reduce the glare of your touch monitor screen. This chemical process is made in the back of the touch glass and therefore you don't need an additional film to have comfort in your eyes. Images are crystal clear with pure colour and great clarity.

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

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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

HDMI Ready



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).



SmoothTouch



Water and Dust Resistant



SmartContrast



LowBlue Mode



Flicker-free



EasyRead



Specifications

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/m²
- Contrast ratio (typical): 1000:1
- SmartContrast: 50,000,000:1
- 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
- Flicker-free
- EasyRead
- LowBlue Mode

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: SmartControl
- 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, 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 °C
- Temperature range (storage): -20°C to 60°C °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: 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

Cabinet

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

What's in the box?

- Monitor
- Cables: HDMI cable, DP cable, USB-A to B cable, Power cable
- User Documentation



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* 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.