Philips
LCD monitor with
SmoothTouch

B Line
16 (15.6" / 39.6 cm diag.)
1366x768 HD

162B9T

Brilliant interactive display with SmoothTouch

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

Brilliant interactive display

- SmoothTouch display for natural, fluid touch response
- Monitor front surface meets IP65 for water & dust resistance
- Stylus for fluid and accurate performance with more control
- SmartContrast for rich black details
- LowBlue Mode for easy on-the-eyes productivity
- EasyRead mode for a paper-like reading experience

Easy to experience

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

PHILIPS

Highlights

SmoothTouch

This Philips display uses Projected capacitive 10 point touch technology for fluid response. You can fully utilize 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 international the IP rating for water and dust resistance, it will hold up to water splashes and dust that happen in the everyday world.
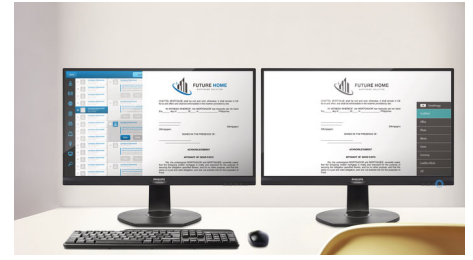
SmartContrast

SmartContrast is a Philips technology that analyzes the contents you are displaying, automatically adjusting colors 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, Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.

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.

HDMI Ready

An HDMI-ready device has all the required hardware to accept High-Definition Multimedia Interface (HDMI) input. A HDMI cable enables high-quality digital video and audio all 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

SmoothTouch   Water and Dust Resistant   SmartContrast   LowBlue Mode   EasyRead   HDMI HIGH DEFINITION MULTIMEDIA INTERFACE   SmartStand   Built-in Speaker

Specifications

Picture/Display
- LCD panel type: TFT-LCD (TN)
- Backlight type: W-LED system
- Panel Size: 15.6 inch / 39.6 cm
- Effective viewing area: 344.2 (H) x 193.5 (V)
- Aspect ratio: 16:9
- Optimum resolution: 1366 x 768 @ 60Hz
- Pixel Density: 100 PPI
- Response time (typical): 4 ms (Gray to Gray)*
- Brightness: 220 cd/m²
- Contrast ratio (typical): 500:1
- SmartContrast: 20,000,000:1
- Pixel pitch: 0.252 x 0.252 mm
- Viewing angle: 90° (H) / 60° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Color gamut (typical): NTSC 86%*, sRGB 100%*
- Display colors: 262 K
- Scanning Frequency: 30 - 60 kHz (H) / 50 - 75 Hz (V)
- sRGB
- EasyRead
- LowBlue Mode

Touch
- Touch technology: Projected capacitive
- Touch points: 10 point
- Touch method: Stylus, Finger, Glove*
- Touch interface: USB
- Touch glass hardness: 7 H
- Touch glass coating: Glare
- Touch active area: 344.2 mm (H) x 193.5 mm (V)
- Operating system: Windows 10 / 8.1 / 8 / 7; Android 7.1 / 7.0 / 6.0 / 5.0 / 4.4; certain Linux versions*
- Palm rejection area: >= 25 x 25 mm
- Ingress protection: IP65 - front only
- Sealability: Touchscreen sealed to bezel; Touchscreen sealed to LCD

Connectivity
- Signal Input: VGA (Analog), DVI-D (digital, HDCP), DisplayPort 1.2, HDMI 1.4
- USB: USB 3.1x2 (1 w/fast charging)*
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): PC audio-in, Headphone out
- HDCP: HDCP: HDCP 1.4 (HDMI / DP / DVI)

Convenience
- Built-in Speakers: 2 W x 2
- 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, VESA mount (100x100mm)
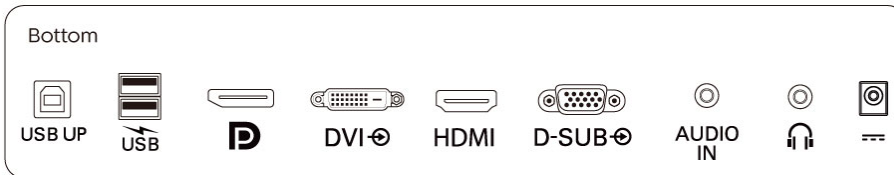- Plug & Play Compatibility: DDC/CI, sRGB, Windows 10 / 8.1 / 8 / 7

Stand
- Tilt: -5 ~ 90 degree
- Folding angle: 0 ~ 70 degree
- Height adjustment: 184 (Horizontal), 105 (Vertical) mm

Power
- ECO mode: 5.6 W (typ.)
- On mode: 7.1 W (typ.) (EnergyStar test method)
- Standby mode: 0.3 W (typ.)
- Off mode: 0.3 W (typ.)
- Energy Label Class: E
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: External, 100-240VAC, 50-60Hz

Dimensions
- Product with stand(max height): 378 x 347 x 227 mm

Bottom: USB UP | USB | DP | DVI | HDMI | D-SUB | AUDIO IN | 🎧 | ---

Specifications

- Product without stand (mm): 378 x 241 x 42 mm
- Packaging in mm (WxHxD): 445 x 388 x 159 mm

Weight
- Product with stand (kg): 5.00 kg
- Product without stand (kg): 2.01 kg
- Product with packaging (kg): 6.31 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: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- MTBF (demonstrated): 70,000 hrs (excluded backlight)

Sustainability
- Environmental and energy: EnergyStar 8.0, EPEAT*, 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
- Front bezel: Black
- Rear cover: Black
- Foot: Black
- Finish: Texture

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

* Response time value equal to SmartResponse
* NTSC Area based on CIE1976
* 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 user manual for more details of operating systems support in touch function.
* 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.