

# 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
- EasyRead mode for a paper-like reading experience
- LowBlue Mode for easy on-the-eyes productivity
- SmartContrast for rich black details
- Monitor front surface meets IP65 for water & dust resistance

### 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

# 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

## 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 15meter 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 demanding gaming and movies, video editing and more. It also keeps interoperability in mind via use of various adapters.

## VESA mount

VESA mount allows for flexibility



# Specifications

## Picture/Display

**Panel Size:** 15.6 inch / 39.6 cm  
**Aspect ratio:** 16:9  
**LCD panel type:** TFT-LCD (TN)  
**Backlight type:** W-LED system  
**Pixel pitch:** 0.252 x 0.252 mm  
**Optimum resolution:** 1366 x 768 @ 60Hz  
**Brightness:** 220 cd/m<sup>2</sup>  
**Display colors:** 262 K  
**Color gamut (typical):** NTSC 86%\*, sRGB 100%\*  
**Contrast ratio (typical):** 500:1  
**SmartContrast:** 20,000,000:1  
**Response time (typical):** 4 ms (Gray to Gray)\*  
**Viewing angle:** 90° (H) / 60° (V), @ C/R &gt; 10  
**Picture enhancement:** SmartImage  
**Effective viewing area:** 344.2 (H) x 193.5 (V)  
**Scanning Frequency:** 30 - 60 kHz (H) / 50 - 75 Hz (V)  
**sRGB**  
**Pixel Density:** 100 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:** 344.2 mm (H) x 193.5 mm (V)  
**Touch glass hardness:** 7 H  
**Touch interface:** USB  
**Touch method:** Stylus, Finger, Glove\*  
**Touch points:** 10 point  
**Touch technology:** Projected capacitive  
**Palm rejection area:** &gt;= 25 x 25 mm  
**Touch glass coating:** Glare

## 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  
**Plug & 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 (100x100mm)  
**Control software:** SmartControl

## Stand

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

## Power

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

## Dimensions

**Packaging in mm (WxHxD):** 445 x 388 x 159 mm  
**Product without stand (mm):** 378 x 241 x 42 mm  
**Product with stand(max height):** 378 x 347 x  
 227 mm

## Weight

**Product with packaging (kg):** 6.31 kg  
**Product with stand (kg):** 5.00 kg  
**Product without stand (kg):** 2.01 kg

## Operating conditions

**Altitude:** Operation: +12,000ft (3,658m), Non-  
 operation: +40,000ft (12,192m)  
**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\*, 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

