

# PHILIPS

## LCD monitor with SmoothTouch

B Line

16 (15.6"/39.6 cm diag.)

1366 x 768 HD

162B9TN



## Brilliant interactive display with SmoothTouch

A sturdy water- and dust-resistant touch-screen monitor for flexible use anywhere. 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
- 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

### 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

# 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.

## 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.

## EasyRead mode



EasyRead mode for a paper-like reading experience

## 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.



# 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 @ 60 Hz  
 Brightness: 220 cd/m<sup>2</sup>  
 Display colours: 262 K  
 Colour gamut (typical): NTSC 86%\*, sRGB 100%\*  
 Contrast ratio (typical): 500:1  
 SmartContrast: 20,000,000:1  
 Response time (typical): 4 ms (Grey to Grey)\*  
 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\*  
 Touchpoints: 10 points  
 Touch technology: Projected capacitive  
 Palm rejection area: &gt;= 25 x 25 mm  
 Touch glass coating: Glare

## 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

## Power

ECO mode: 5.6 W (typ.)  
 Power supply: External, 100–240 VAC, 50–60 Hz  
 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 (flashing)  
 Energy Label Class: E

## Dimensions

Packaging in mm (W x H x D): 445 x 388 x  
 159 mm  
 Product without stand (mm): 378 x 241 x 42 mm

## Weight

Product with packaging (kg): 3.44 kg  
 Product without stand (kg): 2.01 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\*, 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: HDMI cable, USB-A to B cable, Power  
 cable  
 Monitor  
 User Documentation

