



LCD monitor with SmoothTouch

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

162B9T/89

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.

Benefits

Brilliant interactive display

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

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

Easy to experience

PHILIPS

Features

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



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

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

Specifications

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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/m ²
Contrast ratio (typical)	500:1
SmartContrast	20,000,000:1

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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	Yes
EasyRead	Yes
LowBlue Mode	Yes

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

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

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.)
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
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) 70,000 hrs (excluded backlight)
MTBF (demonstrated)	

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
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Cabinet

Front bezel	Black
Rear cover	Black
Foot	Black
Finish	Texture

- * 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.



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