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 productivity.

**Brilliant interactive display**
- SmoothTouch display for natural, fluid touch response
- Monitor front surface meets IP65 for water and 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
LCD monitor with SmoothTouch
B Line 16 (15.6”/39.6 cm diag.), 1366 x 768 HD

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.

**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.

**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.

**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. 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).

**High-speed data transfer**

USB 3.1 high-speed data transfer
Specifications

**Picture/Display**
- LCD panel type: TFT-LCD (TN)
- Backlight type: W-LED system
- Panel Size: 15.6 inches/39.6 cm
- Effective viewing area: 344.2 (H) x 193.5 (V)
- Aspect ratio: 16:9
- Optimum resolution: 1366 x 768 @ 60 Hz
- Pixel Density: 100 PPI
- Response time (typical): 4 ms (Grey to Grey)*
- Brightness: 220 cd/m²
- Contrast ratio (typical): 500:1
- SmartContrast: 20,000,000:1
- Pixel pitch: 0.252 x 0.252 mm
- Viewing angle: 90º (H) / 60º (V), @ C/R > 10
- Picture enhancement: SmartImage
- Colour gamut (typical): NTSC 86%, sRGB 100%*
- Display colours: 262 K
- Scanning Frequency: 30–60 kHz (H)/50–75 Hz (V)
- ECO mode: 5.6 W (typ.)
- On mode: 7.1 W (typ.) (Energy Star 8.0 test method)
- Standby mode: < 0.5 W (typ.)
- Off mode: < 0.3 W (typ.)
- Energy Label Class: A
- Power LED indicator: Operation - White, Standby mode - White (flashing)
- Power supply: External, 100–240 VAC, 50–60 Hz

**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 (W x H x D): 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

**Environmental and energy:** EnergyStar 8.0, RoHS, WEEE

**Recyclable packaging material:** 100 %

**Sustainability**
- Specific Substances: PVC/BFR free housing.

**Compliance and standards**
- Regulatory Approvals: CE Mark, FCC Class B, SEMKO, EPA, UKRAINIAN, ICES-003, TUV/GS, TUV Ergo, CU-EAC

**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 CIE 1976
* sRGB Area based on CIE 1931
* Glove material 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.
* Fast charging complies with USB BC 1.2 standard

* Mercury free, Lead free

**Touch**
- Touch technology: Projected capacitive
- Touch points: 10 points
- Touch method: Stylus, Finger, Glove
- Touch interface: USB
- Touch glass hardness: 7 H
- Touch active coating: glare
- Touch area active: 344.2 (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 (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
- 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 (100 x 100 mm)
- Plug and Play Compatibility: DDC/CI, sRGB, Windows 10 / 8.1 / 8 / 7

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

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**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: EnergyStar 8.0, RoHS, WEEE
- Recyclable packaging material: 100 %
- Specific Substances: PVC/BFR free housing.

Mercury free, Lead free