

Philips
LCD monitor with
SmoothTouch

B Line

24 (23.8" / 60.5 cm diag.)
1920 x 1080 (Full HD)

243B9TL



Brilliant interactive display with SmoothTouch

A sturdy, water and dust resistant, anti-glare touch screen monitor for flexible use anywhere, with articulating stand to fit angles you need. USB-C connectivity delivers a single-cable solution for touch, display, and re-charge a laptop.

Brilliant interactive display

- SmoothTouch display for natural, fluid touch response
- Monitor front surface meets IP65 for water & dust resistance
- Anti-glare coating (AG) for reducing the visual interference
- 16:9 Full HD display for crisp detailed images
- SmartContrast for rich black details
- LowBlue Mode for easy on-the-eyes productivity
- Less eye fatigue with Flicker-free technology
- EasyRead mode for a paper-like reading experience

Easy to experience

- Connect your notebook with one USB-C cable
- HDMI ensures universal digital connectivity
- DisplayPort connection for maximum visuals
- SmartStand with adjustable angles, boosts productivity
- VESA mount allows for flexibility

PHILIPS

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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.

Anti-glare coating



Anti-Glare Coating, abbreviated AG, can reduce the glare of your touch monitor screen. This chemical process is made in the back of the touch glass, and therefore you don't need an additional film to have comfort in your eyes. Images are crystal clear with pure color and great clarity.

16:9 Full HD display



Picture quality matters. Regular displays deliver quality, but you expect more. This display features enhanced Full HD 1920 x 1080 resolution. With Full HD for crisp detail paired with high brightness, incredible contrast and realistic colors expect a true to life picture.

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

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uses a smart software technology to reduce harmful shortwave blue light.

Flicker-free technology



Due to the way brightness is controlled on LED-backlit screens, some users experience flicker on their screen which causes eye fatigue. Philips Flicker-free Technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

EasyRead mode



EasyRead mode for a paper-like reading experience

USB-C connection



This Philips display features a USB type-C connector with power delivery. With intelligent and flexible power management, you can power charge your compatible device directly. Its slim, reversible USB-C allows for easy, one-cable connection. You can watch high resolution video and transfer data at a super-speed, while powering up and re-charging your compatible device at the same time.



Specifications

Picture/Display

- LCD panel type: IPS technology
- Backlight type: W-LED system
- Panel Size: 23.8 inch / 60.5 cm
- Effective viewing area: 527 (H) x 296.5 (V)
- Aspect ratio: 16:9
- Optimum resolution: 1920 x 1080 @ 60Hz
- Pixel Density: 93 PPI
- Response time (typical): 5 ms (Gray to Gray)*
- Brightness: 250 cd/m²
- Contrast ratio (typical): 1000:1
- SmartContrast: 50,000,000:1
- Pixel pitch: 0.2745 x 0.2745 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Flicker-free
- Picture enhancement: SmartImage
- Color gamut (typical): NTSC 72% (CIE 1931)
- Display colors: 16.7 M
- Scanning Frequency: 30 - 85 kHz (H) / 48 - 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: Anti-glare coating (Haze: 5% - /+ 3%, Gloss: 80 -/+ 10)
- Touch active area: 527 mm (H) x 296.5 mm (V)
- Operating system: Windows 10 / 8.1 / 8 / 7; Android 4.4 up to latest version (certain Linux versions)*; MAC OS 10.9 / 10.10 / 10.11 / 10.12 / 10.13 / 10.14 for single point touch
- Palm rejection area: >= 30 x 30 mm
- Ingress protection: IP65 - front only
- Sealability: Touchscreen sealed to bezel; Touchscreen sealed to LCD

Connectivity

- Signal Input: VGA (Analog), DisplayPort 1.2 x 1, HDMI 1.4 x 1, USB 3.2 x 4 (downstream with 1 fast charge B.C 1.2)
- USB: USB-C 3.2 Gen 1 x1 (upstream, power delivery up to 65W)
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): PC audio-in, Audio out

USB

- USB-C: Reversible plug connector
- Super speed: Data and Video transfer
- DP: Built-in DisplayPort Alt mode

- Power delivery: USB PD version 3.0
- USB-C max. power delivery: Up to 65 W (5V/3A, 7V/3A, 9V/3A, 10V/3A, 12V/3A, 15V/3A, 20V/3.25A)

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), 75 (Vertical) mm

Power

- ECO mode: 11.2 W (typ.)
- On mode: 17.5 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): 554 x 413 x 227 mm
- Product without stand (mm): 554 x 338 x 50 mm
- Packaging in mm (WxHxD): 620 x 433 x 168 mm

Weight

- Product with stand (kg): 8.26 kg
- Product without stand (kg): 4.95 kg
- Product with packaging (kg): 11.27 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, RoHS
- Recyclable packaging material: 100 %
- Specific Substances: PVC / BFR free housing, Mercury free

Compliance and standards

- Regulatory Approvals: CE Mark, CB, CCC, CECP, CEL

Cabinet

- Front bezel: Black
- Rear cover: Black
- Foot: Black
- Finish: Texture

Design

- Designed in Amsterdam, NL



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- * "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
- * Response time value equal to SmartResponse
- * 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.
- * For USB-C power and charging function, your Notebook/device must support USB-C standard Power Delivery specifications. Please check with your Notebook user manual or manufacturer for more details.
- * For Video transmission via USB-C, your Notebook/device must support USB-C DP Alt mode
- * The monitor may look different from feature images.