Philips Brilliance
LCD monitor with
SmoothTouch

23" (58.4 cm)

231C5TJKFU

Brilliant interactive display

with SmoothTouch

Get engaged with Philips SmoothTouch display. Groovy touch gestures like tap, grab, pinch, rotate, zoom and swipe bring your apps to life. Interactive touch games get more exciting. Now you can explore the world with 10 fingertips!

Brilliant interactive display
- Edge-to-edge glass, 10-point touch for the ultimate experience
- Groovy touch gestures bring all your applications to life
- Play exciting touch games with your friends
- SmoothTouch display for natural, fluid touch response
- IPS LED wide view technology for image and colour accuracy

Social multimedia
- Powerful sound with 2 x 2 watts RMS speakers
- Optional MHL cable allows for HD video audio playback
- Webcam and mic keeps you connected with family and friends

Easy to experience
- SmartConnect with DisplayPort, HDMI and VGA connections
- SmartStand design with maximum lean back for comfortable use
- USB 3.0 enables fast data transfers and smart phone charging
- VESA mount for convenience

PHILIPS

Highlights

SmoothTouch

This Philips display uses the latest Projected capacitive 10-point touch technology, with edge-to-edge glass for fluid response. Used with touch-based OS like Windows 8, it offers you groovy touch gestures like tap, grab, pinch, rotate, zoom, swipe etc. Now 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 and increase your productivity and efficiency.

SmartStand

This Philips display uses SmartStand with maximum lean back, which enables you to use it in various ergonomic positions, like never before. With just under a 60-degree lean back position, you can now interact with the display naturally to touch and type. Or you can use it in an upright position to sit and do some serious work. With a built-in auto-return mechanism, this SmartStand offers you a high level of flexibility.

SmartConnect

With a plethora of connectivity, these Philips displays come equipped with multiple connections like VGA, Display Port and universal HDMI connector, enabling you to enjoy high-resolution uncompressed video and audio content. USB connections ensure that you can have super-speed data transfers while having global connectivity. Regardless of what source you use, you can rest assured that this Philips display will ensure your investment is not made obsolete any time soon!
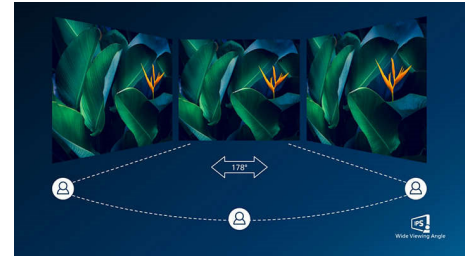
Socialise with webcam

Embedded webcam with superb, bright and crisp images enables you to socialise with your family and friends. Its sensitive microphone ensures that your voice carries through clearly. You can hear clear audio either from its built-in stereo speakers, or attach your own headphones for private conversation. This simple built-in solution ensures that you don't have to get in a tangle anymore with installing camera and positioning microphones.

USB 3.0 super speed

Super-Speed USB 3.0 deploys a 5.0 gbit/s transfer rate, which is about 10 times faster than the USB 2.0 standard, significantly reducing data transfer time and saving you time and money. With more bandwidth, super-speed transfer rates, better power management and superior overall performance, USB 3.0 sets the latest global standard allowing you to use large-capacity storage devices. Sync-N-Go technology ensures you don't have to wait for bandwidth to be freed up any more. Your investment in USB 2.0 devices is protected as it is backwards-compatible.

IPS technology

IPS displays use an advanced technology that gives you extra-wide viewing angles of 178/178 degrees, making it possible to view the display from almost any angle. Unlike standard TN panels, IPS displays give you remarkably crisp images with vivid colours, making them ideal not only for Photos, movies and web browsing, but also for professional applications that demand colour accuracy and consistent brightness at all times.

Built-in stereo speakers

Now you can enjoy all your multimedia and social applications with stereo sound. These built-in speakers not only sound great, but also help you to get rid of external wire clutter and save valuable desktop space.

Optional MHL cable

Optional MHL cable allows for HD video audio playback

VESA mount for convenience

VESA mount for convenience

Play touch games with friends

Play exciting touch games with your friends

Edge-to-edge glass

Edge-to-edge glass, 10-point touch for the ultimate experience

Groovy touch gestures

Groovy touch gestures bring all your applications to life

SmoothTouch   SmartStand   Webcam   USB 3.0   Wide Viewing Angle   Webcam   Built-in Speaker   MHL Mobile High-Definition Link

Specifications

Connectivity
- Signal Input: VGA (Analogue), DisplayPort x 1, HDMI (digital, HDCP), MHL-HDMI (digital, HDCP)
- USB: USB 3.0 x 2
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): PC audio-in, Headphone out
- Mic in
- Webcam: 1 MP

Picture/Display
- Panel Size: 23 inch/58.4 cm
- Aspect ratio: 16:9
- LCD panel type: IPS LCD with 10-point Touch
- Backlight type: W-LED system
- Pixel pitch: 0.265 x 0.265 mm
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Brightness: 300 cd/m²
- Display colours: 16.7 M
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Response time (typical): 14 ms
- Viewing angle: 178° (H)/178° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Effective viewing area: 509.18 (H) x 286.42 (V)
- Scanning Frequency: 30–90 kHz (H) / 56–75 Hz (V)
- sRGB
- SmartResponse (typical): 5 ms (Grey to Grey)
- MHL

Touch screen capabilities
- Glass screen: Tempered
- Input method: Finger or capacitive stylus
- Surface hardness: >=7H
- Transmission rate: >=88%
- Multi-touch: Grab, Rotate, Double-tap, Zoom in/out
- Single-touch: Flick, Scroll, Tap, Drag
- Touch activation: Via direct USB connection with PC
- Touch method: 10-point simultaneous recognition

Convenience
- Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 7, Windows 8
- Built-in Audio: 2 W x 2
- User convenience: Power On/Off, Menu/OK, Volume/Up, Input/Down, SmartImage/Back
- 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 (75 x 75 mm)

Stand
- Tilt: 12~57.5 degree

Power
- Power supply: External, 100–240 VAC, 50–60 Hz
- Off mode: 0.3 W (typ.)
- On mode: 26.27 W (typ.)
- Standby mode: 0.5 W (typ.)
- Power LED indicator: Operation - White, Standby mode - White (flashing)

Dimensions
- Product with stand (mm): 563 x 406 x 72 mm
- Packaging in mm (W x H x D): 619 x 479 x 125 mm
- Product without stand (mm): 563 x 370 x 45 mm

Weight
- Product with packaging (kg): 7.07 kg
- Product with stand (kg): 5.16 kg
- Product without stand (kg): 4.80 kg

Operating conditions
- Altitude: Operation: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
- Temperature range (operation): 0 to 40 °C
- MTBF: 30,000 hour(s)
- Relative humidity: 20%–80% %
- Temperature range (storage): -20 to 60 °C

Sustainability
- Environmental and energy: RoHS, Mercury Free
- Recyclable packaging material: 100 %

Compliance and standards
- Regulatory Approvals: BSMI, CE Mark, FCC Class B, cETLus, SASO, SEMKO, TUV/ISO9241-307, WEEE, CU, TCO Certified

Cabinet
- Finish: High Glossy (front bezel)/Textured (rear cover)
- Front bezel: Cool Grey
- Rear cover: Cool Grey

* The touch function requires a USB cable connection to your PC. Works only on Touch-capable OS and applications like Windows 8 or 7.
* This Philips display is MHL-certified. However, if your MHL device does not connect or work correctly, check with your MHL device FAQ or vendor directly for instructions. The policy of your device manufacturer may require you to purchase its brand-specific MHL cable or adapter in order for it to work
* Requires optional MHL-certified mobile device and MHL cable (not included). Please check with your MHL device vendor for compatibility.
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