



Philips Brilliance
LED-backlit LCD monitor

Notebook docking display
23" (58.4 cm)
1920 x 1080 (Full HD)



231P4QUPES

Simplicity with notebook docking display

expand view with single cable

This innovative notebook docking display with multimedia enables easy port replication. Expand your viewing workspace, keep peripherals connected and access the Internet, all with a single SuperSpeed USB cable.

Simplicity makes sense

- Connect to the Internet and intranet with the built in Ethernet port
- Single USB 3.0 cable docks your notebook to the display
- Access all peripherals, keyboard and mouse from the hub
- Transmit video and audio from the notebook with a single cable
- True plug and play for hassle-free dual display setup

Sustainable Eco-friendly solution

- PowerSensor saves up to 80% energy costs
- PVC-BFR free housing
- IPS technology for full colours and wide viewing angles

Ergonomic design

- Low bezel-to-table height for maximum reading comfort
- SmartErgoBase enables user-friendly ergonomic adjustments

PHILIPS

LED-backlit LCD monitor
Notebook docking display 23" (58.4 cm), 1920 x 1080 (Full HD)

231P4QUPES/00

Highlights

Expand view with single cable



This innovative large Philips display enables easy port replication for any notebook. Particularly suitable for the latest Ultra book type devices with limited connectors, this display with built-in USB 3.0 hub, Ethernet and stereo speakers enables you to transmit video, audio and connect to Internet or intranet directly, using a single cable USB connection. With this advanced USB 3.0 or USB 2.0 plug and play connection, you can now expand your desktop using both your NBPC and Philips display's real-estate without having to worry about cumbersome resolution adjustments or mess around with cables.

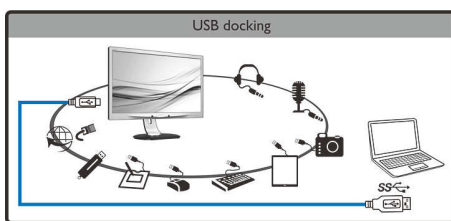
Transmit from a single cable

Transmit video and audio from the notebook with a single cable

Connect by built in Ethernet

Connect to the Internet and intranet with the built in Ethernet port

USB hub for peripherals



You now have the option to connect a full sized keyboard and mouse to the Philips display's USB hub to improve your productivity. Simply connect your Notebook to this display with a single USB cable, and you are ready to utilise the additional peripherals

such as the external HDD, camera, USB drive along with Full HD video, Audio and Internet functions. Should you prefer, you can of course still utilise your NBPC's keyboard and track pad as usual.

True plug and play

True plug and play for hassle-free dual display setup

SmartErgoBase



The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The user-friendly height, swivel, tilt and rotation angle adjustments of the base allow the monitor to be positioned for maximum comfort to help ease the physical strains of a long workday. In addition, cable management reduces cable clutter and keeps the workspace neat and professional.

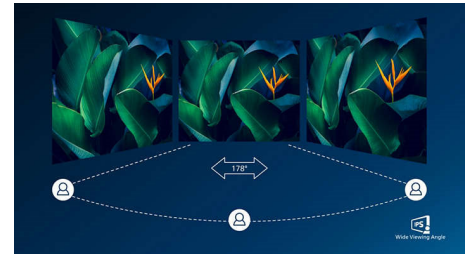
Low bezel-to-table height



Thanks to its advanced SmartErgoBase, the Philips monitor can be lowered down almost to desk level for a comfortable viewing angle. Low bezel-to-table height is the perfect solution if you use bifocals, trifocals or progressive lens glasses for your computing work. Additionally, it allows users of different heights to use the monitor at their preferred

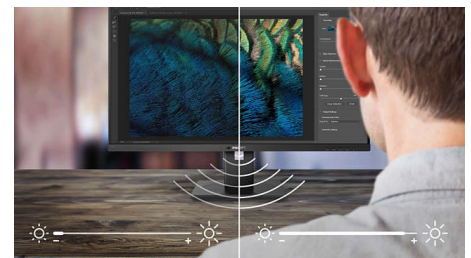
angle and height settings, helping them to reduce fatigue and strain.

IPS technology



IPS displays use advanced technology that gives you extra-wide viewing angles of 178/178 degrees, making it possible to view the display from almost any angle — even in 90-degree Pivot mode! Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colours, making it ideal not only for Photos, films and web browsing, but also for professional applications that demand colour accuracy and consistent brightness at all times.

PowerSensor



PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if the user is present and then automatically reduces monitor brightness when the user steps away from the desk, cutting energy costs by up to 80 percent and prolonging monitor life

PVC-BFR free housing

This Philips monitor housing is free from brominated flame retardant and polyvinyl chloride (PVC-BFR free)



SmartErgo Base



IPS Wide Viewing Angle



PowerSensor



SmartImage



IPS Wide Viewing Angle



Ethernet



Built-in Speaker



2x USB 3.0



USB-Monitor

Specifications

Connectivity

- Signal Input: VGA (Analogue)
- Sync Input: Separate Sync (VGA only), Sync on Green (VGA only)

Picture/Display

- Panel Size: 23 inch/58.4 cm
- Aspect ratio: 16:9
- LCD panel type: IPS LCD
- Backlight type: W-LED system
- Pixel pitch: 0.265 x 0.265 mm
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Brightness: 250 cd/m²
- Display colours: 16.7 M
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Response time (typical): 14 (Grey to Grey) ms
- Viewing angle: 178° (H)/178° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Effective viewing area: 509.18 x 286.41 mm
- Scanning Frequency: 30–83 kHz (H)/56–75 Hz (V)
- sRGB
- SmartResponse (typical): 7 ms (GTG_BW)

USB Connectivity

- Audio In/Out: through USB
- Headphone out: through USB
- Microphone in: through USB
- RJ45: through USB, 1 Gbps
- Signal Input: USB 3.0 upstream
- USB: USB 2.0 x 1, USB 3.0 x 2

Convenience

- Built-in Speakers: 1.5 W x 2
- Plug and Play Compatibility: DDC/CI (VGA only), Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7
- User convenience: SmartImage, Input, PowerSensor, Menu, Power On/Off
- OSD Languages: English, French, German, Italian, Portuguese, Russian, Simplified Chinese, Spanish, Korean
- Other convenience: Kensington lock, VESA mount (100 x 100 mm)
- Control software: SmartControl Premium(VGA only), DisplayLink Graphics Software

Stand

- Height adjustment: 130 mm
- Pivot: 90 degree

- Swivel: -65/65 degree
- Tilt: -5/20 degree

Power

- ECO mode: 11.3 W (typ.)
- Power supply: 100–240 VAC, 50–60 Hz, Built-in
- Off mode: Zero watts with AC switch
- On mode: 20.2 W (typ.) (EnergyStar 6.0 test method)
- Standby mode: <0.5 W (typ.)
- Power LED indicator: Operation - White, Standby mode - White (flashing)

Dimensions

- Packaging in mm (W x H x D): 600 x 400 x 263 mm
- Product without stand (mm): 547 x 343 x 60 mm
- Product with stand (max height): 547 x 515 x 220 mm

Weight

- Product with packaging (kg): 8.41 kg
- Product with stand (kg): 6.00 kg
- Product without stand (kg): 3.90 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
- MTBF: 30,000 (backlight) hour(s)
- Relative humidity: 20%-80 %
- Temperature range (storage): -20°C to 60°C °C

Sustainability

- Environmental and energy: PowerSensor, EnergyStar 6.0, TCO Certified Edge, RoHS
- Post-consumer recycled plastic: 65%
- Recyclable packaging material: 100 %
- Specific Substances: PVC/BFR free housing, Mercury free

Compliance and standards

- Regulatory Approvals: CE Mark, FCC Class B, SEMKO, cETLus, EAC, PSB, TUV Ergo, TUV/GS, WEEE, CCC, CECP, EMC, C-tick

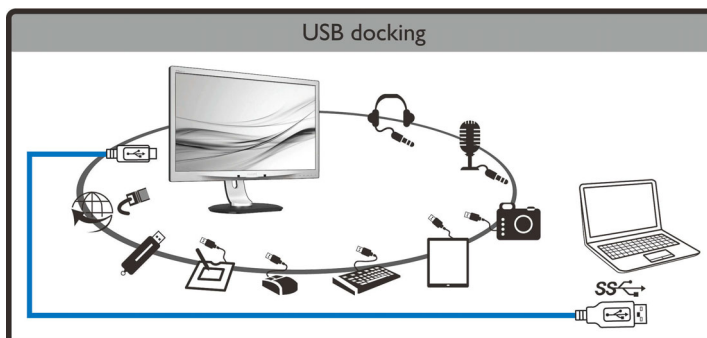
Cabinet

- Finish: Texture
- Foot: Black

- Front bezel: Silver
- Rear cover: Black

What's in the box?

- Cables: VGA, USB, Power
- Monitor with stand
- User Documentation



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* We recommend you use a USB 3.0 connection between your Notebook PC and the Philips display to ensure smooth images, video and audio.

* Activities such as screen sharing and online streaming over the Internet can impact your network performance. Your hardware and network bandwidth will determine the overall audio and video quality.

* The notebook, keyboard and mouse shown are for illustration purpose only and not included with the product.

* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.

* Smart response time is the optimum value from either GtG or GtG (BW) tests.