



Philips Brilliance
LCD monitor

Notebook docking display
23" (58.4 cm)



231P4UPES

Simplicity with notebook docking display

expand view with single cable

This innovative notebook docking display with multimedia enables easy port replication. Now you can expand your viewing workspace, keep your 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

Ergonomic design

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

PHILIPS

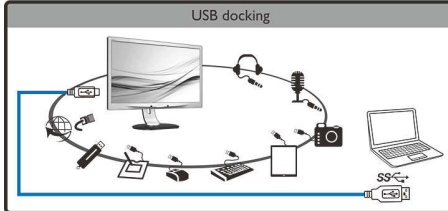
Highlights

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.

USB hub for peripherals



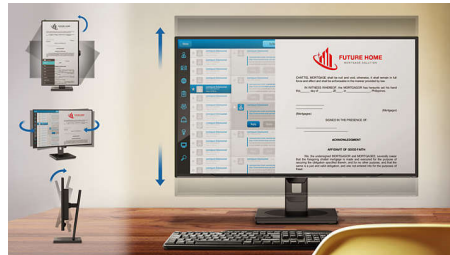
You now have the option to connect a full sized keyboard and mouse to the Philips display's USB hub to improve your productivity. Simply connect your Notebook to this display with a single USB cable, and you are ready to utilise the additional peripherals such as the external HDD, camera, USB drive along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

Connect by built in Ethernet

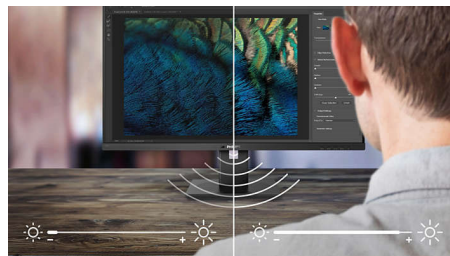
Connect to the Internet and intranet with the built in Ethernet port

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.

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 then user steps away from the desk,

cutting energy costs by up to 80 percent and prolonging monitor life

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.

PVC-BFR free housing

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

Transmit from a single cable

Transmit video and audio from the notebook with a single cable

True plug and play

True plug and play for hassle-free dual display setup



SmartErgo Base



PowerSensor



SmartImage™



Ethernet



LED



Built-in Speaker



2x
USB 3.0



USB Monitor



SmartErgo Base

Specifications

Connectivity

- Signal Input: VGA (Analogue)
- Sync Input: Separate Sync (VGA only), Sync on Green (VGA only)
- Audio (In/Out): PC audio-in, Headphone out

Picture/Display

- Panel Size: 23 inch/58.4 cm
- Aspect ratio: 16:9
- LCD panel type: TFT-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): 5 ms
- Viewing angle: 170° (H)/160° (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

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 8/7/Vista/XP
- User convenience: SmartImage, Input, PowerSensor, Menu, Power On/Off
- OSD Languages: English, French, German, Italian, Portuguese, Russian, Simplified Chinese, Spanish, Brazil Portuguese, Czech, Dutch, Finnish, Greek, Hungarian, Japanese, Korean, Polish, Swedish, Traditional Chinese, Turkish, Ukrainian
- 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: 15.3 W (typ.)
- Power supply: 100–240 VAC, 50–60 Hz, Built-in
- Off mode: Zero watts with Zero switch
- On mode: 26.2 W (typ.)
- Standby mode: 0.1 W
- 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): 7.60 kg
- Product with stand (kg): 5.30 kg
- Product without stand (kg): 3.10 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 hour(s)
- Relative humidity: 20%–80% %
- Temperature range (storage): -20°C to 60°C °C

Sustainability

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

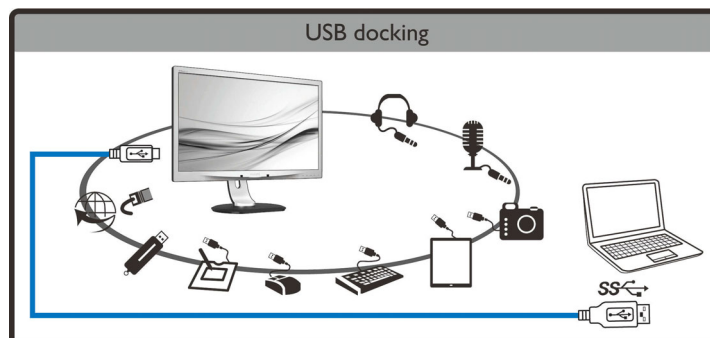
Compliance and standards

- Regulatory Approvals: BSMI, CE Mark, FCC Class B, GOST, PSB, SASO, SEMKO, TUV Ergo, TUV/ GS, UL/cUL, WEEE

Cabinet

- Finish: Texture

- Foot: Black
- Front bezel: Silver
- Rear cover: Black



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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.