

Philips Brilliance
USB-docking LCD monitor

B Line

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



241B7QUPB

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

Excellent performance

- Less eye fatigue with Flicker-Free technology
- IPS technology for full colours and wide viewing angles
- SmartImage pre-sets for easy optimised image settings
- LowBlue Mode for easy-on-the-eyes productivity

Designed for people

- Low bezel-to-table height for maximum reading comfort
- SmartErgoBase enables user-friendly ergonomic adjustments
- Built-in stereo speakers for multimedia

PHILIPS

USB-docking LCD monitor
B Line 24 (23.8"/60.5 cm diag.), 1920 x 1080 (Full HD)

241B7QUPEB/00

Highlights

Connect by built in Ethernet

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

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.

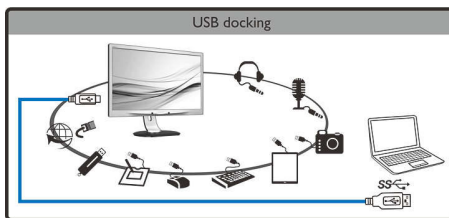
Transmit from a single cable

Transmit video and audio from the notebook with a single cable

True plug and play

True plug and play for hassle-free dual display setup

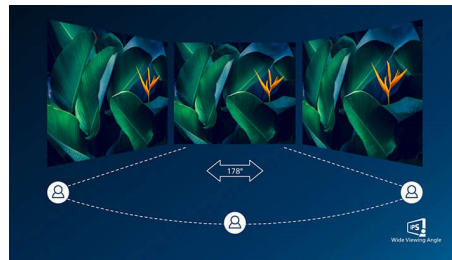
USB hub for peripherals



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.

IPS technology



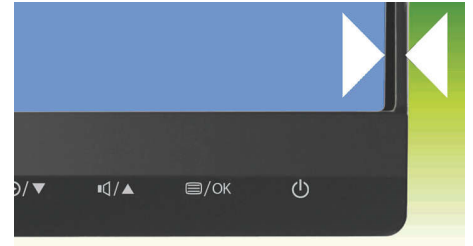
IPS displays use advanced technology that gives you extra-wide viewing angles of 178/178 degrees, making it possible to view the display from almost any angle — even in 90-degree Pivot mode! Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colours, making it ideal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

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.

Ultra-narrow Border



The new Philips displays feature ultra-narrow borders which allow for minimal distractions and maximum viewing size. Especially suited for multi-display or tiling setups like gaming, graphic design and professional applications, the ultra-narrow border display gives you the feeling of using one large display.

SmartImage



SmartImage is an exclusive leading edge Philips technology that analyses the content displayed on your screen and optimises your display performance. This user-friendly interface allows you to select various modes, like Office, Photo, Movie, Game, Economy etc., to fit the application in use. Based on the selection, SmartImage dynamically optimises the contrast, colour saturation and sharpness of images and videos for ultimate display performance. The Economy mode option offers you major power savings. All in real time at the touch of a single button!



Specifications

Connectivity

- Signal Input: VGA (Analogue), USB 3.0 upstream
- Sync Input: Separate Sync, Sync on Green

Picture/Display

- Panel Size: 23.8 inch/60.5 cm
- Aspect ratio: 16:9
- LCD panel type: IPS technology
- Backlight type: W-LED system
- Pixel pitch: 0.275 x 0.275 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 (Grey to Grey)*
- Viewing angle: 178° (H)/178° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Effective viewing area: 527 x 296.5 mm
- Scanning Frequency: 30–83 kHz (H)/56–75 Hz (V)
- sRGB
- Flicker-free
- Pixel Density: 93 PPI
- LowBlue Mode

USB Connectivity

- Audio In/Out: through USB
- Headphone out: through USB
- Microphone in: through USB
- RJ45: through USB
- Signal Input: USB 3.0 upstream
- USB: USB 3.0 x 3

Convenience

- Built-in Speakers: 2 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, Brazil Portuguese, Czech, Dutch, Finnish, Greek, Hungarian, Japanese, Polish, Swedish, Traditional Chinese, Turkish, Ukrainian
- Other convenience: Kensington lock, VESA mount (100 x 100 mm)
- Control software: SmartControl

Stand

- Height adjustment: 150 mm
- Pivot: 90 degree
- Swivel: -175/175 degree
- Tilt: -5/30 degree

Power

- ECO mode: 11.1 W (typ.)
- Power supply: 100–240 VAC, 50–60 Hz, Built-in
- Off mode: Zero watts with AC switch
- On mode: 13.14 W (typ.) (EnergyStar test method)
- Standby mode: 0.3 W (typ.)
- Power LED indicator: Operation - White, Standby mode - White (flashing)
- Energy Label Class: D

Dimensions

- Packaging in mm (W x H x D): 603 x 492 x 224 mm
- Product without stand (mm): 541 x 332 x 57 mm
- Product with stand (max height): 541 x 527 x 257 mm

Weight

- Product with packaging (kg): 8.33 kg
- Product with stand (kg): 5.95 kg
- Product without stand (kg): 3.52 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
- Relative humidity: 20%-80 %
- Temperature range (storage): -20°C to 60°C °C
- MTBF (demonstrated): 70,000 hrs (excluded backlight)

Sustainability

- Environmental and energy: EnergyStar 8.0, PowerSensor, EPEAT*, TCO Certified Edge, RoHS
- Post-consumer recycled plastic: 85%
- Recyclable packaging material: 100 %
- Specific Substances: PVC/BFR free housing, Mercury free

Compliance and standards

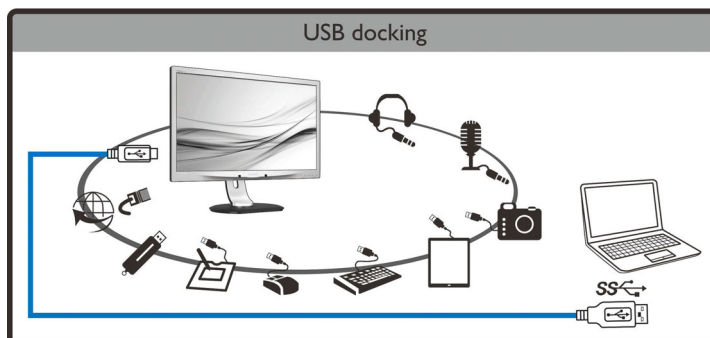
- Regulatory Approvals: CE Mark, FCC Class B, SEMKO, cETLus, CU-EAC, TUV Ergo, TUV/GS, EPA, WEEE, UKRAINIAN, ICES-003, SASO, KUCAS

Cabinet

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

What's in the box?

- Cables: D-Sub cable, USB cable, Power cable
- 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.

* EPEAT rating is valid only where Philips registers the product. Please visit <https://www.epeat.net/> for registration status in your country.

* Response time value equal to SmartResponse