



Philips Brilliance  
USB-docking LCD monitor

### B Line

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

**Brilliance**



**241B7QUPEB**

## 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, access internet, all with a single SuperSpeed USB cable.

#### Simplicity makes sense

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

#### Excellent performance

- IPS technology for full colors and wide viewing angles
- Less eye fatigue with Flicker-free technology
- SmartImage presets for easy optimized image settings
- LowBlue Mode for easy on-the-eyes productivity

#### Designed for people

- Edge-to-edge narrow border display for seamless appearance
- Built-in stereo speakers for multimedia
- SmartErgoBase enables people-friendly ergonomic adjustments

**PHILIPS**

# Highlights

## Expand view with single cable



This innovative large Philips display enables easy port replication for any notebook. Especially suitable for 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 with a single cable USB connection. By 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 can now connect optional full sized Keyboard and mouse to this innovative 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 utilize the attached additional peripherals like external HDD, camera, USB drive along with Full HD video, Audio, and Internet functions. Should you prefer, you can of course still utilize your NBPC's keyboard and track pad as usual.

## IPS technology



IPS displays use an advanced technology which gives you extra wide viewing angles of 178/178 degree, 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 colors, making it ideal not only for Photos, movies and web browsing, but also for professional applications which demand color 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.

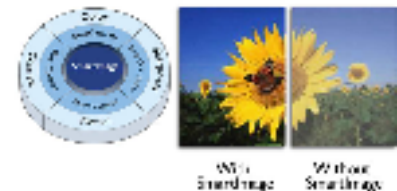
## UltraNarrow Border



The new Philips displays feature ultra-narrow borders which allow for minimal distractions and maximum viewing size. Especially suited

for multi-display or tiling setup 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 analyzes the content displayed on your screen and gives you optimized 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 optimizes the contrast, color saturation and sharpness of images and videos for ultimate display performance. The Economy mode option offers you major power savings. All in real time with the press of a single button!

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

## Built-in stereo speakers

A pair of high quality stereo speakers built into a display device. It can be visible front firing, or invisible down firing, top firing, rear firing, etc depending on model and design.



# 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 x 296.5 mm
- 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/m<sup>2</sup>
- Contrast ratio (typical): 1,000:1
- SmartContrast: 20,000,000:1
- Pixel pitch: 0.275 x 0.275 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Flicker-free
- Picture enhancement: SmartImage
- Display colors: 16.7 M
- Scanning Frequency: 30 - 83 kHz (H) / 56 - 75 Hz (V)
- sRGB
- LowBlue Mode

## Connectivity

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

## USB Connectivity

- USB: USB3.0x3
- Signal Input: USB 3.0 upstream
- Audio In/Out: through USB
- RJ45: through USB
- Microphone in: through USB
- Headphone out: through USB

## Convenience

- Built-in Speakers: 2 W x 2
- User convenience: SmartImage, Input, PowerSensor, Menu, Power On/Off
- Control software: SmartControl
- 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 (100x100mm)
- Plug & Play Compatibility: DDC/CI (VGA only), Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7

## Stand

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

## Power

- ECO mode: 11.1 W (typ.)
- On mode: 14.2 W (typ.) (EnergyStar 7.0 test method)
- Standby mode: <0.3 W (typ.)
- Off mode: Zero watts with AC switch
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: 100-240VAC, 50-60Hz, Built-in

## Dimensions

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

## Weight

- Product with stand (kg): 5.95 kg
- Product without stand (kg): 3.52 kg
- Product with packaging (kg): 8.33 kg

## Operating conditions

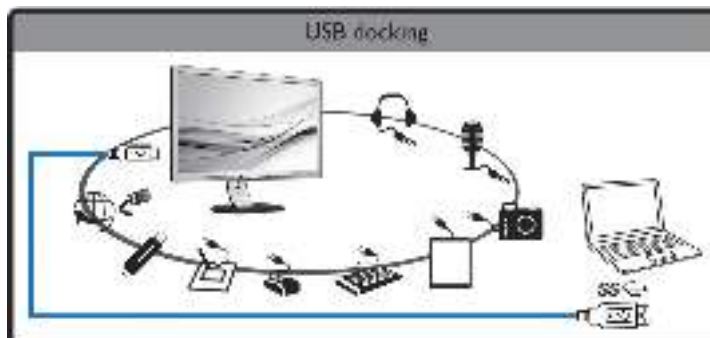
- Temperature range (operation): 0°C to 40°C °C
- Temperature range (storage): -20°C to 60°C °C
- Relative humidity: 20%-80 %
- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- MTBF (demonstrated): 70,000 hrs (excluded backlight)

## Sustainability

- Environmental and energy: EnergyStar 7.0, PowerSensor, EPEAT Gold\*, TCO edge, RoHS
- Recyclable packaging material: 100 %
- Post consumer recycled plastic: 85%
- Specific Substances: PVC / BFR free housing, Mercury free, Lead free

## Compliance and standards

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



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

\* Activities such as screen sharing, on-line streaming video and audio over the Internet can impact your network performance. Your hardware, network bandwidth and its performance will determine overall audio and video quality.

\* The notebook, keyboard, mouse as shown are for illustration purpose only, not included in the product.

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

\* EPEAT Gold is valid only where Philips registers the product. Please visit [www.epeat.net](http://www.epeat.net) for registration status in your country.

\* Response time value equal to SmartResponse