Country demographics

80% 20% 20% 80%

Per Capita MAX

Market reach MAX

STEP TWO   STEP FOUR

1   3   5

Philips Brilliance
USB-docking LCD monitor

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

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
- Access all peripherals and keyboard, mouse from the hub
- Transmit video and audio from the notebook with 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 colors and wide viewing angles
- SmartImage presets for easy optimized image settings
- LowBlue Mode for easy on-the-eyes productivity

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

PHILIPS

Highlights

Connect by built in ethernet

Connect with Internet, Intranet with built in ethernet port

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.
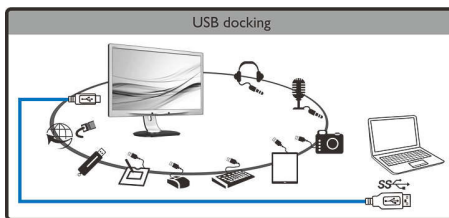
Transmit from single cable

Transmit video and audio from the notebook with single cable

True plug and play

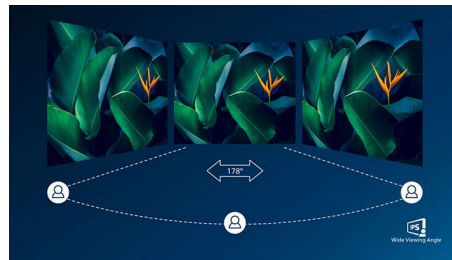True plug and play for hassle free dual display setup

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.
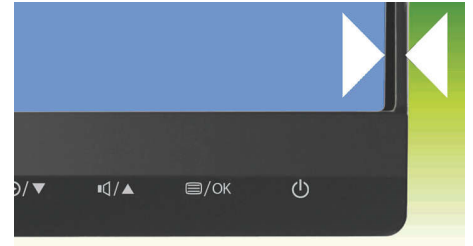
IPS technology

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!

IPS
Wide Viewing Angle

Flicker-free

Ultra Narrow Bezel

SmartImage™

LowBlue Mode

Built-in Speaker

SmartErgo Base

Ethernet

IPS
Wide Viewing Angle

Specifications

Connectivity
- Signal Input: VGA (Analog), 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 @ 60Hz
- Brightness: 250 cd/m²
- Display colors: 16.7 M
- Contrast ratio (typical): 1,000:1
- SmartContrast: 20,000,000:1
- Response time (typical): 5 ms (Gray to Gray)*
- 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: USB3.0x3

Convenience
- Built-in Speakers: 2 W x 2
- Plug & 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 (100x100mm)
- 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: 100-240VAC, 50-60Hz, 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 (blinking)

Dimensions
- Packaging in mm (WxHxD): 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
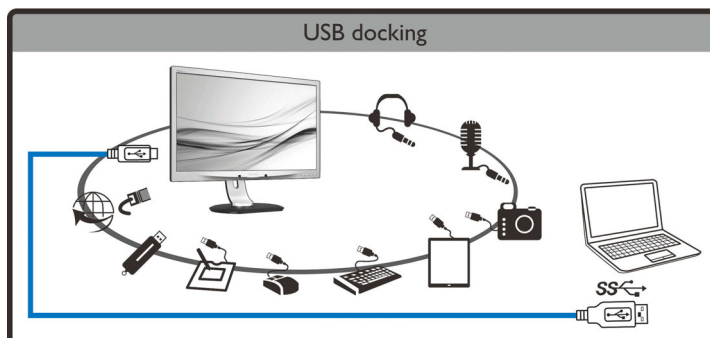- Product without stand (kg): 3.52 kg

Operating conditions
- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- 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

USB docking

* 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 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