Philips Curved Business Monitor
32:9 SuperWide curved monitor with USB-C

6000 series
45 (44.5" / 113 cm diag.)
5120 x 1440 (Dual QHD)

45B1U6900C

Beyond well-equipped

This Philips USB-C multipurpose monitor offers clutter-free setup. With a single cable you can view smooth high-resolution video, transfer data, and charge your laptop. The headphone holder brings cable management to the next level.

Optimal Connectivity
- USB 3.2 high speed data transfer
- Built-in KVM switch to easily switch between sources
- RJ-45 to USB-C gives easy network connection with security

Superb Picture Quality
- VA display delivers awesome images with wide viewing angles
- DisplayHDR 400 for more lifelike and outstanding visuals

Designed for the way you work
- Curved display design for more immersive experience
- Built-in stereo speakers for multimedia
- 32:9 SuperWide: for replacing multiscreen setups
- Tilt, swivel and height-adjust for an ideal viewing position
- Eyesafe certified blue light protection and color accuracy

Designed for sustainability
- PowerSensor saves up to 80% energy costs
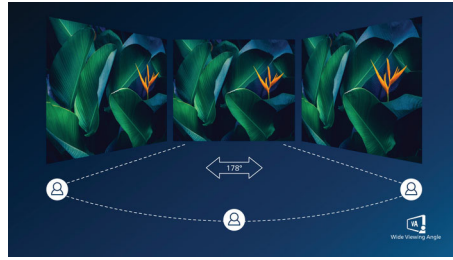
PHILIPS

Highlights

USB-C Docking with RJ45

Simplify all peripherals from monitor to PC using one-cable-docking USB Type-C connector, includes networking, high resolution video output from PC to monitor, and surfing on Internet without an additional network cable, even without LAN port on your notebook. RJ45 connection through USB-C offers a fast and secure connection when needed. Getting the fastest data speeds allows you to transfer data from a HDD to your PC faster than ever. Additionally, USB-C with power delivery can even enable you to power and charge your notebook from the monitor, eliminating the need for extra power cables.

MultiClient Integrated KVM

With MultiClient Integrated KVM switch, you can control two separate PCs with one monitor-keyboard-mouse set up. A convenient button allows you to quickly switch between sources. Handy with set-ups that require dual PC computing power or sharing one large monitor to show two different PCs.

VA display

Philips VA LED display uses an advanced multi-domain vertical alignment technology which gives you super-high static contrast ratios for extra vivid and bright images. While standard office applications are handled with ease, it is especially suitable for photos, web-browsing, movies, gaming, and demanding graphical applications. It's optimized pixel management technology gives you 178/178 degree extra wide viewing angle, resulting in crisp images.

DisplayHDR 400

VESA-certified DisplayHDR 400 delivers a significant step-up from normal SDR displays. Unlike, other 'HDR compatible' screens, true DisplayHDR 400 produces astonishing brightness, contrast and colors. With global dimming and peak brightness up-to 400 nits, images come to life with notable highlights while featuring deeper, more nuanced blacks. It renders a fuller palette of rich new colors, delivering a visual experience that engages your senses.
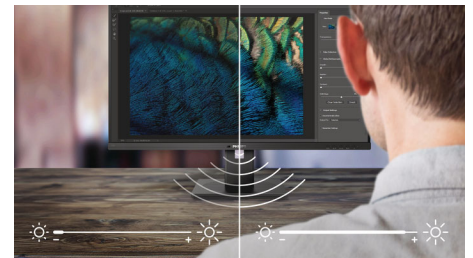
Curved display design

Desktop monitors offer a personal user experience, which suits a curve design very well. The curved screen provides a pleasant yet subtle immersion effect, which focuses on you at the center of your desk.

32:9 SuperWide

This monitor's 32:9 SuperWide screen provides users with the ultimate replacement for a multi-screen desktop. With a singular 44.5-inch screen that is equivalent to two 23.8-inch 16:9 QHD monitors, it allows users to work seamlessly without having to daisy chain and increases productivity by offering users a large screen to open complex spreadsheets and view videos in their full form.

PowerSensor

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

USB-C Docking · MultiClient Integrated KVM · Wide Viewing Angle · VESA CERTIFIED DisplayHDR 400 · CurvedDisplay · 32:9 Curved SuperWide · Multiview · PowerSensor · Built-in Speaker

Specifications

Picture/Display
- LCD panel type: VA LCD
- Backlight type: W-LED system
- Panel Size: 44.5 inch / 113 cm
- Display Screen Coating: Anti-Glare, 2H, Haze 25%
- Effective viewing area: 1087.488 (H) x 305.856 (V) - at a 1500R curvature*
- Aspect ratio: 32:9
- Maximum resolution: 5120 x 1440 @ 75 Hz
- Pixel Density: 120 PPI
- Response time (typical): 4 ms (Gray to Gray)*
- Brightness: 450 cd/m²
- Contrast ratio (typical): 3000:1
- SmartContrast: 80,000,000:1
- Pixel pitch: 0.2124 x 0.2124 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Flicker-free
- Picture enhancement: SmartImage
- Display colors: 16.7 M (8 bit)
- Color gamut (typical): NTSC 107%*, sRGB 123%*
- HDR: DisplayHDR 400 certified
- Scanning Frequency: 30 - 114 kHz (H) / 48 - 75 Hz (V)
- SmartUniformity: 93 ~ 105%
- Delta E: < 2
- sRGB
- LowBlue Mode
- EasyRead
- Adaptive sync

Connectivity
- Signal Input: HDMI 2.0 x 2, DisplayPort 1.4 x 1, USB-C x 1 (upstream, DP Alt mode, Data, PD up to 100W)
- HDCP: HDCP 1.4 (HDMI / DisplayPort / USB-C), HDCP 2.2 (HDMI / DisplayPort / USB-C)
- HBR3: HBR3 (USB-C / DisplayPort)
- USB Hub: USB 3.2 Gen 1 / 5 Gbps, USB-B upstream x 1, USB-A downstream x 4 (with 1 for fast charge B.C 1.2), USB-C downstream x 1 (Data, PD 15W)
- Audio (In/Out): Audio out
- RJ45: Ethernet LAN up to 1G*, Wake on LAN
- Sync Input: Separate Sync

Power Delivery
- Version: USB PD version 3.0
- Max power delivery: Up to 100 W* (5V/3A, 7V/3A, 9V/3A, 10V/3A, 12V/3A, 15V/3A, 20V/4.8A)

Convenience
- Built-in Speakers: 5 W x 2
- MultiView: PIP/PBP mode, 2x devices
- KVM: Yes (USB-C/USB-B)
- User convenience: KVM, SmartImage, Input, User, Menu, Power On/Off
- Control software: SmartControl
- OSD Languages: Brazil Portuguese, Czech, Dutch, English, French, Finnish, German, Greek, Hungarian, Italian, Japanese, Korean, Portuguese, Polish, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, Ukrainian
- Other convenience: Kensington lock, Earphone hook, VESA mount (100x100mm)
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 11 / 10 / 8.1 / 8

Stand
- Height adjustment: 150 mm
- Swivel: -/+45 degree
- Tilt: -5/15 degree

Power
- ECO mode: 36.5 W (typ.)
- On mode: 46.3 W (typ.) (EnergyStar test method)
- Standby mode: 0.3 W (typ.)
- Off mode: Zero watts with AC switch
- Energy Label Class: G
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: Built-in, 100-240VAC, 50-60Hz

Dimensions
- Product with stand(max height): 1085 x 515 x 238 mm
- Product without stand (mm): 1085 x 337 x 158 mm
- Packaging in mm (WxHxD): 1180 x 235 x 535 mm

Weight
- Product with stand (kg): 12.81 kg
- Product without stand (kg): 9.75 kg
- Product with packaging (kg): 17.11 kg

Operating conditions
- Temperature range (operation): 0°C to 40 °C
- Temperature range (storage): -20°C to 60 °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: PowerSensor, LightSensor, EnergyStar 8.0, EPEAT*, RoHS, TCO Certified Edge
- Recyclable packaging material: 100 %
- Post consumer recycled plastic: 85%
- Specific Substances: Mercury free, PVC / BFR free housing

Compliance and standards
- Regulatory Approvals: CB, CE Mark, FCC Class B, ICES-003, CU-EAC, EAEU RoHS, TUV Ergo, TUV/GS, TUV Eyesafe certified, cETLus

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

Specifications

What's in the box?

• Monitor with stand
• Cables: HDMI cable, DisplayPort cable, USB-C to

C/A Y cable, Power cable
• User Documentation

* Radius of the arc of the display curvature in mm
* Response time value equal to SmartResponse
* NTSC Area based on CIE1976
* sRGB Area based on CIE1931
* For Video transmission via USB-C, your Notebook/device must support USB-C DP Alt mode
* 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.
* For USB-C power and charging function, your Notebook/device must support USB-C standard Power Delivery specifications. Please check with your Notebook user manual or manufacturer for more details.
* If your Ethernet connection seems slow, please enter OSD menu and select USB 3.0 or higher version which can support the LAN speed to 1G.
* The USB-C power delivery of this display is up to 100 W (96 W in typical), the maximum power delivery will depend on your device.
* When calculating energy costs saving from PowerSensor, both USB and Power delivery are excluded.
* EPEAT rating is valid only where Philips registers the product. Please visit https://www.epeat.net/ for registration status in your country.
* The monitor may look different from feature images.

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