

PHILIPS

5K2K UltraWide
Thunderbolt™ monitor

Business Monitor

6000 series

40 (39.7"/100.9 cm diag.)

5120 x 2160 (5K2K)

40B1U6903CH



Simply brilliant

with a pop-up webcam

The Philips Thunderbolt™ 4 monitor delivers a secure, reliable one-cable docking solution, delivering sharp images, with a noise cancelling mic that lets people hear you properly. Windows Hello Webcam for quick access and strong security.

Thunderbolt™ 4 port for flexibility and performance

- Lightning-fast connectivity for data, video and Ethernet
- Delivers up to 90 W of power for devices on a single port
- Simple and powerful daisy chaining for multi-monitor setups

Vibrant colours, incredible depth, finest details

- UltraWide 5K2K (5120 x 2160) resolution for fine details
- IPS LED wide view technology for image and colour accuracy

Designed for the way you work

- Tilt, swivel and height-adjust for an ideal viewing position
- Webcam with noise-cancelling microphone for collaboration
- Eyesafe-certified blue light protection and colour accuracy
- Built-in KVM switch to easily switch between sources
- Accessory within reach

Designed for sustainability

- PowerSensor saves up to 80% energy costs

Highlights

Thunderbolt™ 4 monitor



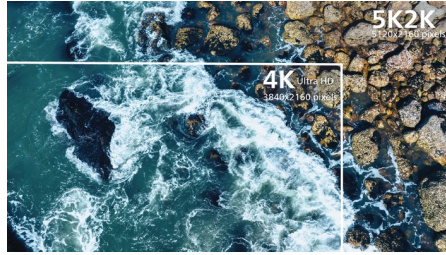
This Philips docking monitor is one of the world's first Thunderbolt™ 4 monitors with USB4 compliance. Compared with conventional USB-C monitors, Thunderbolt™ 4 technology provides lightning-fast 40 Gbps data transfer speeds, supplying high-resolution video, multi-stream transport for daisy chaining, up to 90 W power delivery for devices and a stable 1 Gbit/s Ethernet connection, all through a single cable. Thunderbolt™ 4 delivers a slim, reversible, one-cable USB-C docking solution to create a sleek, clutter-free desktop, greatly boosting productivity.

Thunderbolt daisy chain setup



Daisy chaining allows you to drive multiple monitors and devices from a single Thunderbolt port on your laptop. From the Thunderbolt port of your laptop, connect to this monitor, then from the second Thunderbolt port on this monitor you can connect to a second 4K monitor.

UltraWide 5K2K



With UltraWide 5K2K resolution, the colour depth is delivered more vividly and the fine details of the visuals can't be missed. Productivity is redefined thanks to the additional screen space.

Webcam and noise-cancelling mic



This Philips monitor comes with a built-in 5 MP webcam, a noise-cancelling microphone, and speakers, making it perfect for working from home and collaborating remotely. The webcam is certified for Windows Hello and is equipped with advanced sensors for Windows Hello™ facial recognition, which conveniently logs you into your Windows devices in less than 2 seconds. The physical camera switch offers extra privacy when not in use. The noise-cancelling microphone and dual 5 watt integrated speakers deliver clear communications.

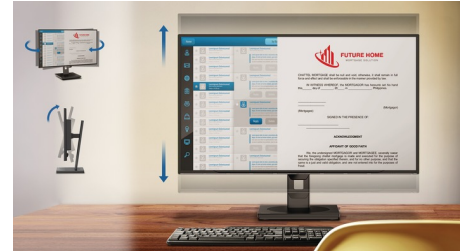
TUV Rheinland Eyesafe



Philips display meets the TUV Rheinland Eyesafe® standard to truly protect you from long exposure to blue light. The always-on

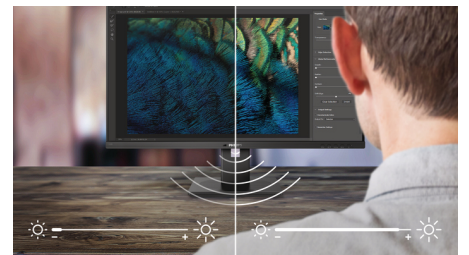
blue light filter not only helps reduce digital eye strain, but also guarantees colour integrity.

Compact Ergo Base



The Compact Ergo Base is a people-friendly Philips monitor base that tilts, swivels and height-adjusts so each user can position the monitor for maximum viewing comfort and efficiency.

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 the user steps away from the desk, cutting energy costs by up to 80 percent and prolonging monitor life.

MultiClient Integrated KVM



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



Specifications

Picture/Display

LCD panel type: IPS technology

Backlight type: W-LED system

Panel Size: 39.7 inch/100.9 cm

Display Screen Coating: Anti-Glare, 3H, Haze 25%

Effective viewing area: 929.28 (H) x 392.04 (V) – at a 2500 R curvature*

Aspect ratio: 21:9

Maximum resolution: HDMI: 5120 x 2160 @ 50 Hz, TBT4/DP: 5120 x 2160 @ 75 Hz*

Pixel Density: 140 PPI

Response time (typical): 4 ms (Grey to Grey)*

Brightness: 300 cd/m²

Contrast ratio (typical): 1000:1

SmartContrast: 80,000,000:1

Pixel pitch: 0.1815 x 0.1815 mm

Viewing angle: 178° (H)/178° (V), @ C/R > 10

Flicker-free

Picture enhancement: SmartImage

Display colours: Colour support 1.07 billion colours (8-bit + A-FRC)

Colour gamut (min.): DCI-P3 98%*

Colour gamut (typical): NTSC 103%*, sRGB 134%*

HDR: HDR 10 supported

Scanning Frequency: HDMI: 30 – 140 kHz (H)/30 – 60 Hz (V); DP/Thunderbolt 4: 30 – 170 kHz (H)/48 – 75 Hz (V)

SmartUniformity: 93 – 105%

Delta E: < 2

sRGB

SoftBlue

EasyRead

Adaptive sync

Connectivity

Signal Input: HDMI 2.0 x 2, DisplayPort 1.4 x 1, Thunderbolt 4 x 1 (upstream, Data, Video, PD 90 W)

HDCP: HDCP 1.4 (HDMI/DisplayPort/USB-C),

HDCP 2.2 (HDMI/DisplayPort/USB-C)

HBR3: HBR 3 (TBT4/DisplayPort)

Signal Output: Thunderbolt 4 out x 1 (downstream, Data, PD 15 W)

USB Hub: USB 3.2 Gen 2/10 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 45 W)

Audio (In/Out): Audio out/Microphone in combo jack

RJ45: Ethernet LAN up to 1 G*, Wake on LAN

Sync Input: Separate Sync

Power Delivery

Version: USB PD version 3.0

Max power delivery: Up to 90 W (5 V/3 A, 7 V/3 A, 9 V/3 A, 10 V/3 A, 12 V/3 A, 15 V/3 A, 20 V/4.25 A)

Convenience

Built-in Speakers: 5 W x 2

Built-in webcam: Pop-up 5.0 megapixel camera with a microphone and LED indicator (for Windows Hello)

Noise cancellation

MultiView: PIP/PBP mode, 2 x devices

KVM: Yes (TBT4/USB-B)

User convenience: Mic, 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 (100 x 100 mm)

Plug and 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: 44.6 W (typ.)

On mode: 58.3 W (typ.) (Energy Star test method)

Standby mode: 0.44 W (typ.)

Off mode: Zero watts with AC switch

Energy Label Class: G

Power LED indicator: Operation – White, Standby mode – White (flashing)

Power supply: Built-in, 100–240 VAC, 50–60 Hz

Dimensions

Product with stand (max height):

948 x 605 x 236 mm

Product without stand (mm):

948 x 426 x 109 mm

Packaging in mm (W x H x D):

1150 x 565 x 211 mm

Weight

Product with stand (kg): 13.50 kg

Product without stand (kg): 10.30 kg

Product with packaging (kg): 17.17 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: +12,000 ft (3658 m),

Non-operation: +40,000 ft (12,192 m)

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

* Radius of the arc of the display curvature in mm

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

* Response time value equal to SmartResponse

* DCI-P3 Coverage based on CIE1976

* NTSC Area based on CIE 1976

* 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 and online streaming over the Internet can impact your network performance. Your hardware and network bandwidth will determine the 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 the OSD menu and select USB 3.0 or a higher version that can support the LAN speed up to 1G.

* 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.

