

Philips Business Monitor  
4K Ultra HD LCD display  
with MultiView

## P Line

43 (42.51" / 108 cm diag.)  
3840 x 2160 (4K UHD)

439P1



# Master every task in a crisp view

The Philips USB-C docking display for comprehensive solution. View UltraClear 4K UHD and re-charge a laptop, all at the same time with a single USB-C cable. Integrated KVM switch and multiple connection for performance and convenience.

### Expand your viewing experience

- UltraClear 4K UHD (3840x2160) resolution for precision
- VA display delivers awesome images with wide viewing angles
- Ultra Wide-Color wider range of colors for a vivid picture
- DisplayHDR 400 for more lifelike and outstanding visuals

### Single cable USB-C connection

- Built in RJ-45 ethernet gives data security
- USB-C enables laptop power charging directly from a monitor

### Designed for the way you work

- MultiView 4K for 4 systems on one screen
- Tilt, swivel and height-adjust for an ideal viewing position
- Less eye fatigue with Flicker-free technology
- LowBlue Mode for easy on-the-eyes productivity
- EasyRead mode for a paper-like reading experience
- Built-in KVM switch to easily switch between sources

# PHILIPS

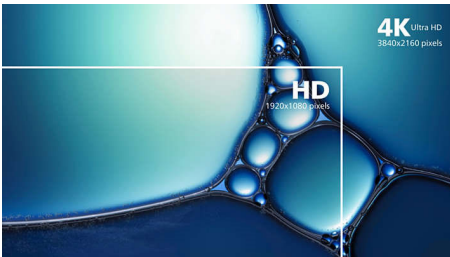
# Highlights

## USB Type-C connection



This Philips display features a built-in USB type-C docking station with power delivery. With intelligent and flexible power management, you can power charge your compatible\* laptop directly. Its slim, reversible USB-C connector allows for easy, one-cable docking. Simplify by connecting all your peripherals like keyboard, mouse and your RJ-45 Ethernet cable to the monitor's docking station. You can watch high resolution video and transfer data at a super-speed, while powering up and re-charging your notebook at the same time.

## UltraClear 4K UHD Resolution



These Philips displays utilize high performance panels to deliver UltraClear, 4K UHD (3840 x 2160) resolution images. Whether you are demanding professional requiring extremely detailed images for CAD solutions, using 3D graphics applications or a financial wizard working on huge spreadsheets, Philips displays will make your images and graphics come alive.

## DisplayHDR 400



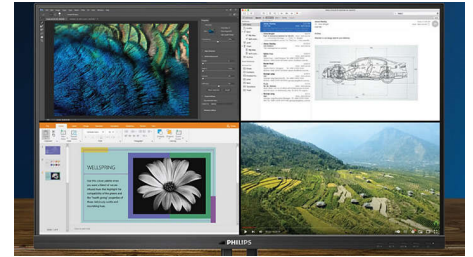
VESA-certified DisplayHDR 400 delivers a significant step-up from normal SDR displays. Unlike, other 'HDR compatible' screens, true DisplayHDR 400 produces astonishing brightness, contrast and colors. With global dimming and peak brightness up-to 400 nits, images come to life with notable highlights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

## Ultra Wide-Color Technology



Ultra Wide-Color Technology delivers a wider spectrum of colors for a more brilliant picture. Ultra Wide-Color wider "color gamut" produces more natural-looking greens, vivid reds and deeper blues. Bring, media entertainment, images, and even productivity more alive and vivid colors from Ultra Wide-Color Technology.

## MultiView technology for 4K



Philips MultiView feature on this expansive 4K UHD display enables you to have up to four systems each shown in Full HD on one screen. You can use the Picture-by-Picture (PbP) for monitoring four systems on one screen for control rooms or security. Or for multiple devices like two notebooks side-by-side simultaneously, making collaboration more productive. Or Picture-in-Picture mode (PiP) watching a live football feed from your set-top box, while working on your PC.

## 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.



# Specifications

## Connectivity

- Signal Input: DisplayPort 1.4 x 1, HDMI 2.0 x 2, HDMI 1.4 x 1, USB-C 3.2 Gen 2 x 1 (upstream, data, power delivery)
- Sync Input: Separate Sync
- Audio (In/Out): Headphone out
- RJ45: Ethernet LAN up to 1G\*, Wake on LAN
- RS232
- USB:: Upstream: USB-C x 1, USB-B x 1; Downstream: USB 3.2 x 3 (with 1 fast charge B.C 1.2), USB-C x 1 (for PD 15W only)
- HDCP: HDCP 1.4 (HDMI 1.4 / HDMI 2.0 / DP 1.4 / USB-C), HDCP 2.2 (HDMI 2.0 / DP 1.4 / USB-C)
- HBR3: USB-C

## Picture/Display

- Panel Size: 42.51 inch / 108 cm
- Aspect ratio: 16:9
- LCD panel type: VA LCD
- Backlight type: W-LED system
- Pixel pitch: 0.2451 x 0.2451 mm
- Brightness: 400 cd/m<sup>2</sup>
- Display colors: Color support 1.07 billion colors
- Color gamut (typical): NTSC 105%\*, sRGB 126%\*, Adobe RGB 90%\*
- Contrast ratio (typical): 4000:1
- SmartContrast: 50,000,000:1
- Response time (typical): 4 ms (Gray to Gray)\*
- Viewing angle: 178° (H) / 178° (V), @ C/R &gt; 10
- Picture enhancement: SmartImage
- Maximum resolution: HDMI 1.4: 3840 x 2160 @ 30 Hz; HDMI 2.0 / DP / USB-C: 3840 x 2160 @ 60 Hz
- Effective viewing area: 941.184 (H) x 529.416 (V) mm
- Scanning Frequency: 30 - 140 kHz (H) / 48 - 60 Hz (V)
- sRGB
- Delta E: <math>\leq 2</math> (sRGB)
- Flicker-free
- Pixel Density: 103.64 PPI
- LowBlue Mode
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- SmartUniformity: 93 ~ 105%
- EasyRead
- Adaptive sync
- HDR: DisplayHDR 400 certified

## USB

- Power delivery: USB PD version 3.0
- Super speed: Data and Video transfer
- DP: Built-in Display Port Alt mode
- USB-C max. power delivery: USB-C1: up to 90 W (5V/3A, 7V/3A, 9V/3A, 10V/3A, 12V/3A, 15V/3A, 20V/4.5A), USB-C2: up to 15W (5V/3A)
- USB-C: Reversible plug connector

## Convenience

- Built-in Speakers: 5 W x 2
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7
- User convenience: SmartImage, Input, User, Menu, Power On/Off

- OSD Languages: Brazil Portuguese, Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, Ukrainian
- Other convenience: Kensington lock, VESA mount (200x200mm)
- Control software: SmartControl
- MultiView: PIP/PBP mode, 4x devices
- KVM: USB-C, USB-B

## Stand

- Height adjustment: 100 mm
- Swivel: -/+ 45 degree
- Tilt: -5 ~ 23 degree

## Power

- ECO mode: 43.9 W (typ.)
- Power supply: Built-in, 100-240VAC, 50-60Hz
- Off mode: Zero watts with Zero switch
- On mode: 46 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): 1150 x 704 x 284 mm
- Product without stand (mm): 978 x 573 x 78 mm
- Product with stand(max height): 978 x 713 x 281 mm

## Weight

- Product with packaging (kg): 23.30 kg
- Product with stand (kg): 18.00 kg
- Product without stand (kg): 12.40 kg

## Operating conditions

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

## Sustainability

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

## Compliance and standards

- Regulatory Approvals: CB, TUV/GS, TUV Ergo, CU-EAC, EAEU RoHS, CE Mark, FCC Class B, ICES-003, MEPS, RCM

## Cabinet

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



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\* Response time value equal to SmartResponse

\* NTSC Area based on CIE1976

\* sRGB Area based on CIE1931

\* Adobe RGB Coverage based on CIE1976

\* 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.

\* 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.

\* For Video transmission via USB-C, your Notebook/device must support USB-C DP Alt mode

\* 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.