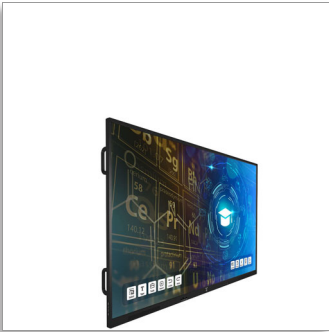




Philips Signage Solutions  
Collaboration Display

65"

Powered by Android  
Multi-touch



65BDL4152E

## Interactive education display

Featuring multi-touch technology

This interactive display, powered by Android 13, has up to 40 touchpoints, maximising engagement and collaboration. Toughened anti-glare, anti-reflection and anti-fingerprint glass are ideal for heavy daily use in busy environments.

### Smart and powerful

- OPS slot allows PC embedding without cabling
- Android SoC for seamless software and app integration
- PPDS Wave-ready for remote display management and control
- Built-in motion sensors
- EDLA certified for security

### Style and safety built-in

- Sustainability
- Near Field Communication (NFC) for security
- Cast directly from any device
- Anti-glare and anti-reflection toughened glass 7 MOH
- Palm rejection
- Blue light filter

### Interactive and collaborative

- Wireless presentations

**PHILIPS**

# Highlights

## **OPS slot**

Integrate a full-power PC or Android-powered CRD module directly into your Philips Professional Display. The OPS slot contains all the connections you need to run your slot-in solution, including a power supply.

## **Powered by Android**

Our integrated Android 13 OS has been specially developed to bring a next level secure professional System on Chip. Save your favourite apps and software directly into the display or, choose from the large library of Android apps and play content from there.

## **PPDS Wave-ready**

Your PPDS Wave-ready display enables you to manage and maintain this device remotely, wherever you are, whenever you choose. This evolutionary cloud platform puts you fully in control, with simplified installation and set-up, monitoring and controlling displays, upgrading firmware, managing central content needs, and setting power schedules. Saving you time, energy and environmental impact.

## **Built-in motion sensors**

Built-in motion sensors contribute to energy savings by activating power-saving when no movement is detected.

## **EDLA certified for security**

Google Mobile Services (EDLA) certified for security and access to Google Play Store.

## **Anti-glare and anti-reflection**

Anti-glare, anti-reflection, anti-fingerprint, 7 MoH hardness.

## **Blue light filter**

Blue light filter to help protect eyes.

## **Palm rejection**

Palm rejection for enhanced precision.

## **Multi-touch technology**

Create a memorable interactive experience with up to 40 touchpoints at the same time for slick, agile lessons. Perfect for collaborative and competitive applications, this display connects your audience with any content. And the touch panel is HID compliant, providing true plug-and-play operation.

## **Advanced IR touch with smaller**

Advanced IR touch with smaller, shallower bezels.

## **Wireless presentations**

Philips ScreenShare makes it easy for teachers and students to wirelessly share their screens from their own device, whatever the operating system, via the browser or their favourite apps, onto the Philips Collaboration display.

## **Cast directly from any device**

Teachers and students can cast directly from their device with AirPlay, Google Cast, and Miracast.

## **Embedded whiteboard application**

The imbedded wwhiteboard applicatiionn enables sseamless collaboration and brainstorming directly on the display.

## **Near Field Communication (NFC) for security**

NFC (Near Field Communication) offers secure authentication and access control, enhancing security with encrypted data transfer. Its contactless operation minimizes the risk of unauthorized access or data interception, ensuring reliable security of the displays.

# Specifications

## Connectivity

- Audio output: 3.5 mm Mini Jack (x1)
- Video input: HDMI 2.0 (x3), USB 3.0 (x2), USB 2.0 (x1), USB-C (up to 65W)
- Audio input: 3.5 mm mini jack (x1)
- Other connections: OPS, USB-B (x2), Micro USB (x1) (OTG), Thermal sensor
- Video output: HDMI 2.0 (x1)
- External control: IR (in/out) 3.5 mm jack, RS232C (in/out) 2.5 mm jack, Gb LAN x2
- LAN: 1x Gb MAC + 1x Giga PHY (GiGa LAN IN/Out)
- Bluetooth: 5.2 BLE

## Picture/Display

- Diagonal screen size (metric): 163.9 cm
- Diagonal screen size (inch): 64.5 inch
- Aspect ratio: 16:9
- Panel resolution: 3840 x 2160
- Pixel pitch: 0.372 x 0.372 mm
- Optimum resolution: 3840 x 2160 @ 60 Hz
- Brightness: 400 cd/m<sup>2</sup>
- Display colors: 1.07 Billion
- Contrast ratio (typical): 1200:1
- Dynamic contrast ratio: 500,000:1
- Response time (typical): 8 ms
- Viewing angle (horizontal): 178 degree
- Viewing angle (vertical): 178 degree
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Motion compens. deinterlacing, Progressive scan, 3D MA deinterlacing, Dynamic contrast enhancement
- Panel technology: ADS
- Operating system: Android 13
- OS UI resolution: 3840 x 2160 @ 60 Hz

## Convenience

- Placement: Landscape (18/7)
- Screen saving functions: Pixel Shift, Low Brightness
- Keyboard control: Lockable
- Remote control signal: Lockable

- Signal loop through: RS232, IR Loophthrough
- Ease of installation: Smart Insert, AC Out
- Other convenience: Carrying handles, NFC, Bluetooth
- Network controllable: RS232, RJ45

## Sound

- Built-in speakers: 2 x20 W

## Power

- Mains power: 100 ~ 240 VAC, 50 ~ 60 Hz
- Consumption (Typical): 132 W
- Standby power consumption: <0.5W
- Power Saving Features: Smart Power
- Energy Label Class: G. EPEAT Silver.

## Supported Display Resolution

- Computer formats: 640 x 350, 70Hz, 640 x 480, 60, 67, 72, 75Hz, 800 x 600, 56, 60, 72, 75Hz, 832 x 624, 75Hz, 848 x 480, 60Hz, 960x720, 75Hz, 1024x768, 60,70Hz, 1152 x 864, 60, 70, 75Hz, 1152 x 900, 66Hz, 1280 x 720, 60,70Hz, 1280 x 768, 60Hz, 75Hz, 1280 x 800, 60,75Hz, 1280 x 960, 60Hz, 1280x1024, 60,67,75Hz, 1360 x 768, 60Hz, 1366 x 768, 60Hz, 1400 x 1050 ,60, 75Hz, 1600 x 900, 60Hz, 1600 x 1200, 60Hz, 1680 x 1050, 60Hz, 1920 x 1080, 60Hz, 1920 x 1200, 60Hz, 3840 x 2160, 24,25,30,60Hz, 1440 x 900, 60Hz, 720 x 400, 70Hz
- Video formats: 480p, 60Hz, 720p, 50, 60Hz, 1080i, 50, 60Hz, 1080p, 50, 60Hz, 2160p, 50, 60Hz, 480i, 60Hz

## Dimensions

- Set Width: 1492.02 mm
- Set Height: 892.28 mm
- Set Depth: 116.15 mm
- Set Width (inch): 58.74 inch
- Set Height (inch): 35.13 inch
- Wall Mount: 500x400mm,M8

- Set Depth (inch): 4.57 inch
- Bezel width: 16.7mm(T/R/L), 41.9mm(B)

## Weight

- Product with packaging (kg): 42.8 kg
- Product with packaging (lb): 94.36 lb
- Product without stand (kg): 34.7 kg
- Product without stand (lb): 76.50 lb

## Operating conditions

- Altitude: 0 ~ 3000 m
- Temperature range (operation): 0 ~ 40 °C
- MTBF: 50,000 hour(s)
- Temperature range (storage): -20 ~ 60 °C
- Humidity range (operation)[RH]: 20 ~ 80% (without condensation)
- Humidity range (storage) [RH]: 5 ~ 95% (without condensation)

## Multimedia Applications

- USB Playback Video: H.263, H.264, H.265, MPEG1/2, MPEG4, VP8, VP9
- USB Playback Picture: BMP, JPEG, PNG
- USB Playback Audio: AAC, HEAAC, MPEG

## Internal Player

- CPU: 4xA73 + 4xA53
- GPU: Multi-Core Mali-G52
- Memory: 8GB
- Storage: 32 GB eMMC
- Wifi: 2T/2R 2.4/5/6 GHz

## Accessories

- Included Accessories: Philips logo (x1), Quick start guide (x1), USB A to B cable (3m) (x1), AC Power Cord, AC switch cover & Screw x1, Cleaning cloth (x1), HDMI cable (1.8 m) (x1), Remote control & AAA batteries, Touch Pen (x2)
- Optional accessories: Pen tray with 3x color stylus and eraser

# Specifications

## Miscellaneous

- On-Screen Display Languages: Arabic, Dutch, Danish, English, French, Finnish, German, Italian, Japanese, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Simplified Chinese, Turkish, Traditional Chinese
- Warranty: 5 year warranty
- Regulatory approvals: CE, FCC, Class A, RoHS,

CB, EAC, EMF, ETL

## Interactivity

- Multi-touch technology: 0-gap Infrared touch
- Touch points: 40 simultaneous touch points
- Plug and play: HID compliant
- Protection glass: Anti-Glare, Tempered safety glass 7MOHS, Blue light filter



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