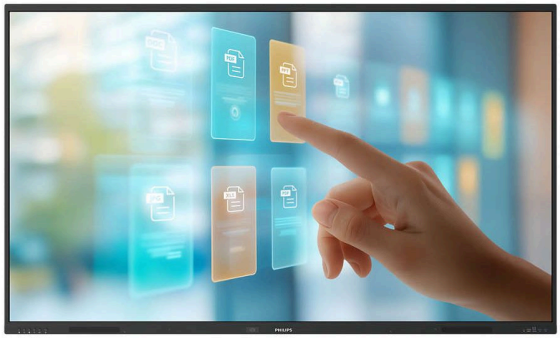
PHILIPS



Collaboration Display

Signage Solutions

86"

Powered by Android

Multi-touch



86BDL4252E

# Interactive display

## Featuring multi-touch technology

This interactive display, powered by Android 14, has up to 50 touchpoints, maximising engagement and collaboration. Toughened anti-glare and anti-fingerprint glass are ideal for heavy daily use in busy environments.

### Smart and powerful

- OPS slot allows PC embedding without cabling
- Philips Wave-ready for remote display management and control
- Google EDLA certified

### Style and safety built in

- Built-in ambient light sensor
- Anti-glare toughened glass 9H pencil rating
- Palm rejection
- Blue light filter

### Interactive and collaborative

- Wireless presentations
- Embedded microphones
- Multi-touch technology capable of up to 50 touchpoints
- Advanced IR touch and whiteboard application.

# Highlights

### OPS slot
Integrate a full-power Windows PC or Chrome OS 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.

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

### Google EDLA certified
Improved user experience, students' engagement, and security and app integration is all part of the service. Directly benefit from Google apps and services natively, including Google Classroom, Docs and Slides, seamlessly integrate Chromebooks and other Android-native devices for simpler and more intuitive teaching and learning.

### Built-in ambient light sensor
Built-in ambient light sensors contribute to energy savings by automatically adjusting the screen brightness to the surrounding lighting conditions.

### Anti-glare
Anti-glare and anti-fingerprint coatings, 9H pencil hardness.

### Palm rejection
Palm rejection for enhanced precision.

### Blue light filter
Blue light filter to help protect eyes and avoid eye fatigue.

### Wireless presentations
Philips ScreenShare makes it easy for teachers, students or employees 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.

### Multi-touch technology
Create a memorable interactive experience with up to 50 touchpoints at the same time for slick, agile lessons or brainstorming sessions. Perfect for collaborative and co-creation applications, this display connects your audience with any content. Offering enhanced user friendliness with eraser functionality, palm rejection and tip size recognition.

### Advanced IR touch and whiteboard application.
Advanced 0 gap IR touch with smaller, shallower bezels. The embedded whiteboard application enables seamless collaboration and brainstorming directly on the display.

# Specifications

### Picture/Display
Diagonal screen size (metric): 218.44 cm
Diagonal screen size (inch): 86 inch
Aspect ratio: 16:9
Panel resolution: 3840 x 2160
Pixel pitch: 0.4935 x 0.4935 mm
Optimum resolution: 3840 x 2160 @ 60 Hz
Brightness: 400 cd/m²
Display colours: 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 14
OS UI resolution: 3840 x 2160 @ 60 Hz

### Connectivity
Audio output: 3.5 mm Mini Jack (x 1), SPDIF digital audio out (1 x)
Video input: HDMI 2.0 (x 3), USB-C (up to 65 W), USB-C, DisplayPort, VGA
Audio input: 3.5 mm mini jack (x 1)
Other connections: OPS, USB-B (x 2), USB 3.0 (x 4)
Video output: HDMI 2.0 (x 1)
External control: RS232C (in or out) D-Sub9, Gb LAN x 2
Bluetooth: 5.2 BLE

### Convenience
Placement: Landscape (18/7)
Screen-saving functions: Pixel Shift, Low Brightness
Keyboard control: Lockable
Remote control signal: Lockable
Other convenience: Carrying handles, NFC, Bluetooth
Network controllable: RS232, RJ45
Blue light filter

### Sound
Built-in speakers: 2 x 20 W

### Power
Mains power: 100 - 240 V~, 50 - 60 Hz, 7.5 A
Consumption (Typical): 175 W
Standby power consumption: <0.5 W
Power Saving Features: Smart Power
Energy Label Class: F

### Supported Display Resolution
Computer formats: 800 x 600, 56, 60, 72, 75 Hz, 848 x 480, 60 Hz, 1024 x 768, 60, 70, 75, 85 Hz, 1152 x 864, 75 Hz, 1280 x 960, 60, 85 Hz, 1280 x 1024, 60, 67, 75 Hz, 1360 x 768, 60 Hz, 1366 x 768, 60 Hz, 1600 x 1200, 60 Hz, 1920 x 1080, 60 Hz, 1920 x 1200, 60 Hz, 3840 x 2160, 24, 25, 30, 60 Hz
Video formats: 480p, 60 Hz, 1080i, 50, 60 Hz, 1080p, 50, 60 Hz, 2160p, 50, 60 Hz, 480i, 60 Hz, 720p, 50, 60 Hz

### Dimensions
Set Width: 1957 mm
Set Height: 1170.8 mm
Set Depth: 97.1 mm
Set Width (inch): 77.04 inch
Set Height (inch): 46.1 inch
Wall Mount: 800 x 600 mm, M8
Set Depth (inch): 3.8 inch
Bezel width: 17.3 mm (T), 16.4 mm (R/L), 44.9 mm (B)

### Weight
Product with packaging (kg): 70 kg
Product with packaging (lb): 154.3 lb
Product without stand (kg): 51.25 kg
Product without stand (lb): 112.99 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]: 10–90% (without condensation)
Humidity range (storage) [RH]: 10–90% (without condensation)

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

### Internal Player
CPU: 4 x A73 + 4 x A53
GPU: Multi-Core Mali-G52
Memory: 8 GB
Storage: 128 GB eMMc
Wi-Fi: 2T/2R 2.4/5/6 GHz

### Accessories
Included Accessories: Cleaning cloth (x 1), Remote control and AAA batteries, USB A to B cable (3 m) (x 1), AC Power Cord, Philips logo (x 1), Quick start guide (x 1), AC switch cover and Screw x 1, Touch Pen (x 2)
Optional accessories: Pen tray with 2 x colour stylus

### 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
Touchpoints: 50 simultaneous touch points
Plug and play: HID compliant
Protection glass: Anti-Glare, Blue light filter, Tempered safety glass 9H pencil rating
Built-in Microphone

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