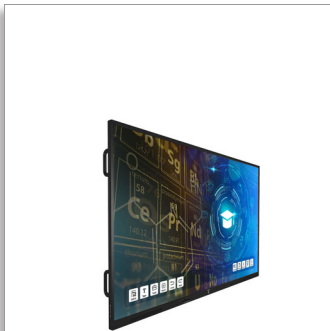**Philips Signage Solutions Collaboration Display**

86"
Powered by Android
Multi-touch

86BDL4152E

Interactive 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 ambient light sensor

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

Interactive and collaborative
- Multi-touch technology capable of 40 touchpoints
- 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 favorite apps and software directly into the display or, choose from the large library of Android apps .

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 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 and anti-reflection

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

Blue light filter

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

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 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

Advanced 0-gap IR touch with smaller, shallower bezels.

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 favorite apps, onto the Philips Collaboration display.

Cast directly from any device

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

Embedded whiteboard application

The embedded whiteboard application enables seamless 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.

Sustainability

Recognised by and registered with EPEAT with a Silver Ecolabel, the displays meet the robust set of criteria laid out by the worlds premier ecolabel for electronics. The displays are also Energy Star 8.0 compliant.

Specifications

Picture/Display

- Diagonal screen size (metric): 217.4 cm
- Diagonal screen size (inch): 85.6 inch
- Aspect ratio: 16:9
- Panel resolution: 3840 x 2160
- Pixel pitch: 0.4935x0.4935 mm
- Optimum resolution: 3840x 2160 @ 60Hz
- Brightness: 400 cd/m²
- 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

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), USB-C
- Audio input: 3.5 mm mini jack (x1)
- Other connections: OPS, USB-B (x2), Micro USB (x1) (OTG)
- 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
- Bluetooth: 5.2 BLE

Convenience

- Placement: Landscape (18/7)
- Screen saving functions: Pixel Shift, Low Brightness
- Keyboard control: Lockable
- Remote control signal: Lockable
- Signal loop through: RS232, IR Loopthrough
- Other convenience: Carrying handles, NFC, Bluetooth
- Network controllable: RS232, RJ45

Sound

- Built-in speakers: 2 x20 W

Power

- Mains power: 100 - 240V~, 50 - 60Hz, 7.5A
- Consumption (Typical): 190W W
- Standby power consumption: <0.5 W
- Power Saving Features: Smart Power
- Energy Label Class: G. EPEAT Silver.

Supported Display Resolution

- Computer formats: 800 x 600, 56, 60, 72, 75Hz, 848 x 480, 60Hz, 1024 x 768, 60, 70, 75, 85Hz, 1152 x 864, 75Hz, 1280 x 960, 60, 85Hz, 1280x1024, 60,67,75Hz, 1360 x 768, 60Hz, 1366 x 768, 60Hz, 1600 x 1200, 60Hz, 1920 x 1080, 60Hz, 1920 x 1200, 60Hz, 3840 x 2160, 24,25,30,60Hz
- Video formats: 480p, 60Hz, 1080i, 50, 60Hz, 1080p, 50, 60Hz, 2160p, 50, 60Hz, 480i, 60Hz, 720p, 50, 60Hz

Dimensions

- Set Width: 1965.1 mm
- Set Height: 1158.74 mm
- Set Depth: 116.227 mm
- Set Width (inch): 77.37 inch
- Set Height (inch): 45.62 inch
- Wall Mount: 800x400mm,M8
- Set Depth (inch): 4.58 inch
- Bezel width: 16.7mm(T/R/L), 39.42mm(B)

Weight

- Product with packaging (kg): 70.7 kg
- Product with packaging (lb): 155.87 lb
- Product without stand (kg): 57kg kg
- Product without stand (lb): 125.66 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, WEBP
- 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: Cleaning cloth (x1), Remote control & AAA batteries, USB A to B cable (3m) (x1), AC Power Cord, Philips logo (x1), Quick start guide (x1), AC switch cover & Screw x1, HDMI cable (1.8 m) (x1), Touch Pen (x2)
- Optional accessories: Pen tray with 3x color stylus and eraser

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, Blue light filter, Tempered safety glass 7MOHS

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