



Philips Signage Solutions
E-Line Display

86"

Powered by Android
Multi-touch



86BDL4152E

Interactive education display

Featuring multi-touch technology

This interactive display maximises engagement and inspires collaboration with up to 40 touchpoints. Powered by Android 13 and with toughened anti-glare, anti-reflection and anti-fingerprint glass, it's 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
- In-built motion sensors save energy when not in use
- EDLA certified for security

Style and safety built in

- 0-gap touch frame
- Anti-glare, anti-reflection, anti-fingerprint glass 7 MOH
- Palm rejection
- Blue light filter to help protect eyes

Interactive and collaborative

- Multi-touch technology capable of 40 touchpoints
- Advanced IR touch with smaller, shallower bezels
- Philips ScreenShare — wirelessly connect any device

PHILIPS

Highlights

Cast directly from any device

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

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.

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.

OPS slot

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

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 Interactive E-Line display.

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 setup, monitoring and controlling displays, upgrading firmware, managing central content needs and setting power schedules — saving you time, energy and environmental impact.

Specifications

Connectivity

- Audio output: 3.5 mm Mini Jack (x 1)
- Video input: USB 3.0 (x 3), USB-C (up to 65 W), HDMI 2.0 (x 2)
- Audio input: 3.5 mm mini jack (x 1), SPDIF (x 1)
- Other connections: OPS, micro SD, USB-B (x 3), Micro USB (x 1) (OTG), Thermal sensor
- Video output: HDMI 2.0 (x 1)
- External control: IR (in/out) 3.5 mm jack, RS232C (in/out) 2.5 mm jack, RJ45 x 2

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: 0.4935 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: IPS
- 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 Loop through
- Ease of installation: AC Out, Smart Insert

- Other convenience: Carrying handles
- Network controllable: RS232, RJ45

Sound

- Built-in speakers: 2 x 20 W

Power

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

Supported Display Resolution

- Computer formats: 640 x 350, 70 Hz, 640 x 480, 60, 67, 72, 75 Hz, 800 x 600, 56, 60, 72, 75 Hz, 832 x 624, 75 Hz, 848 x 480, 60 Hz, 960 x 720, 75 Hz, 1024 x 768, 60, 70 Hz, 1152 x 864, 60, 70, 75 Hz, 1152 x 900, 66 Hz, 1280 x 720, 60, 70 Hz, 1280 x 768, 60 Hz, 75 Hz, 1280 x 800, 60, 75 Hz, 1280 x 960, 60 Hz, 1280 x 1024, 60, 67, 75 Hz, 1360 x 768, 60 Hz, 1366 x 768, 60 Hz, 1400 x 1050, 60, 75 Hz, 1600 x 900, 60 Hz, 1600 x 1200, 60 Hz, 1680 x 1050, 60 Hz, 1920 x 1080, 60 Hz, 1920 x 1200, 60 Hz, 3840 x 2160, 24, 25, 30, 60 Hz, 1440 x 900, 60 Hz, 720 x 400, 70 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: 1965.1 mm
- Set Height: 1158.74 mm
- Weight: TBD kg
- Set Depth: 116.227 mm
- Set Width (inch): 77.37 inch
- Set Height (inch): 45.62 inch
- Wall Mount: 800 x 400 mm, M8
- Set Depth (inch): 4.58 inch
- Bezel width: 16.7 mm(T/R/L), 39.42 mm(B)

Weight

- Product with packaging (kg): TBD kg
- Product with packaging (lb): TBD lb
- Product without stand (kg): TBD kg
- Product without stand (lb): TBD 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: 4 x A73 + 4 x A53
- GPU: Multi-Core Mali-G52
- Storage: 32 GB eMMC
- Wi-Fi: 2G/5G/6G 2T2R

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, HDMI cable (1.8 m) (x 1), Touch Pen (x 2)
- Optional accessories: Interact dongles

Miscellaneous

- On-Screen Display Languages: Arabic, Dutch, Danish, English, French, Finnish, German, Italian, Japanese, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Simplified Chinese, Turkish,

Specifications

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: 40 simultaneous touchpoints
- Plug and play: HID compliant
- Protection glass: Anti-Glare, Blue light filter, Tempered safety glass 7 MOHS



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