

Philips Signage Solutions
E-Line Display

86"

Powered by Android
Multi-touch



86BDL3052E

Interactive education display

Featuring multi-touch technology

The Philips E-Line touch display maximises engagement and inspires collaboration with up to 20 touchpoints. Powered by Android and featuring a toughened anti-glare glass, it's made to withstand heavy daily usage in the classroom.

Smart and powerful

- OPS slot allows for PC embedding without cabling
- Whiteboard mode built-in
- Android: Run your own app or choose your favorite app to run
- 0-gap touch frame
- Anti-glare toughened glass 7 MOHS

Interactive and collaborative

- Operate, monitor and maintain with CMND & Control
- Multi-touch technology capable of 20 touchpoints
- Advanced IR touch with smaller, shallower bezels

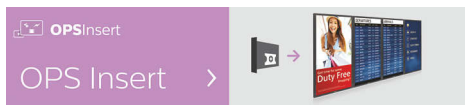
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Highlights

Powered by Android

With Android OS integrated into the display, you can work with the most developed OS on the planet and save your own app directly into the display. Or, choose from the large library of Android apps and play content from there. With the built-in scheduler, you can daypart your apps and content based on your customer and time of day and with the auto orientation feature, showing content in portrait or landscape is as simple as turning the display.

OPS slot



Integrate a full-power PC or Android-powered CRD50 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.

CMND & Control



Run your display network over a local (LAN) connection. CMND & Control allows you to perform vital functions like controlling inputs and monitoring display status. Whether you're in charge of one screen or 100.

Multi-touch technology

Create a memorable interactive experience with up to 20 touchpoints at the same time. Perfect for collaborative and competitive applications, this display connects your audience with any content - making it ideal for education, public venues, corporate, hospitality, and retail

settings. The touch panel is HID compliant, providing true plug-and-play operation.

Whiteboard mode built-in

Inspire agile collaboration with whiteboard mode. Simply activate this feature to turn your display into a blank canvas that can be drawn on by multiple users by hand or with dedicated display markers. Everything on screen can then be captured for easy printing or file sharing.

Advanced IR touch

Advanced IR touch with smaller, shallower bezels

0-gap touch frame

0-gap touch frame

Anti-glare toughened glass

Anti-glare toughened glass 7 MOHS

Specifications

Connectivity

- Audio output: 3.5 mm Mini Jack (x1)
- Video input: DVI-D (x1), HDMI 2.0 (x3), VGA (Analog D-Sub) (x1), USB 2.0 (x4), USB-C (up to 65W)
- Audio input: 3.5 mm mini jack (x1)
- Other connections: OPS, micro SD, USB-B (x3)
- External control: IR (in/out) 3.5 mm jack, RJ45, RS232C (in/out) 2.5 mm jack

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 (H) x 0.4935 (V)[mm]
- Optimum resolution: 3840 x 2160 @ 60 Hz
- Display colors: 1.07 B
- Brightness (after glass): 380 cd/m²
- Brightness (before glass): 410 cd/m²
- Contrast ratio (typical): 4000:1
- 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: VA
- Operating system: Android 8.0
- OS UI resolution: 1920 x 1080 @ 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 Loopthrough
- Ease of installation: AC Out, Smart Insert
- Other convenience: Carrying handles
- Network controllable: RS232, RJ45

Sound

- Built-in speakers: 2 x15 W

Power

- Mains power: 100 ~ 240 VAC, 50/60Hz
- Consumption (Typical): 250 W
- Consumption (Max): 507 W
- Standby power consumption: <0.5W
- Power Saving Features: Smart Power
- Energy Label Class: G

Supported Display Resolution

- Computer formats: 720 x 400, 70Hz, 832 x 624, 75Hz, 1440 x 900, 60Hz, 1600 x 900, 60Hz, 1680 x 1050, 60Hz, 1920 x 1080, 60Hz, 1024 x 768, 60Hz, 1152 x 870, 75Hz, 1280 x 1024, 60Hz, 1280 x 720, 60Hz, 3840 x 2160, 30, 60Hz, 640 x 480, 60,67,75Hz, 800 x 600, 60Hz
- Video formats: 480i, 60Hz, 480p, 60Hz, 720p, 50, 60Hz, 1080i, 50, 60Hz, 1080p, 50, 60Hz, 2160p, 30, 60Hz, 576i, 50Hz, 576p, 50Hz

Dimensions

- Smart Insert mount: 100x100mm, 6xM4L6
- Set Width: 1960.8 mm
- Set Height: 1145.7 mm
- Weight: 74.38 kg
- Set Depth: 101.3mm(D_Max)/79.0mm(D_Wallmount) mm
- Set Width (inch): 77.19 inch
- Set Height (inch): 45.11 inch
- Wall Mount: 600 x 400 mm, M8
- Set Depth (inch): 3.98(D_Max)/3.11(D_Wallmount) inch
- Bezel width: 17.8mm(T/R/L) x 31.7mm(B)

Weight

- Product with packaging (kg): 90.7 kg
- Product with packaging (lb): 199.96 lb
- Product without stand (kg): 74.38 kg
- Product without stand (lb): 163.98 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, VP9
- USB Playback Picture: BMP, JPEG, PNG
- USB Playback Audio: AAC, MPEG, HEAAC

Internal Player

- CPU: 2 x A53 + 2 x A73
- GPU: ARM Mali G51
- Memory: 3GB DDR3
- Storage: 16GB EMMC

Accessories

- Included Accessories: Cleaning cloth (x1), HDMI Cable (3m) (x1), IR sensor cable (1.8 m) (x1), Philips logo (x1), Quick start guide (x1), Remote control & AAA batteries, RS232 daisy chain cable (x1), Touch Pen (x2), USB A to B cable (3m) (x1), RS232 cable, AC Power Cord, Cable clip (x3), AC switch cover & Screw x1, DVI-D cable, USB cover and screws
- 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, Traditional Chinese
- Warranty: 5 year warranty
- Regulatory approvals: CE, FCC, Class A, RoHS, CB, EAC, EMF, ETL

Specifications

Interactivity

- Multi-touch technology: 0-gap Infrared touch
- Touch points: 20 simultaneous touch points

- Plug and play: HID compliant
- Protection glass: Anti-Glare, Tempered safety glass
7MOHS



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