

Philips Signage Solutions
E-Line Display

86"
Powered by Android
Multi-touch

SignageSolutions



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.

Interactive and collaborative

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

Smart and powerful

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

PHILIPS

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 and Control



Run your display network over a local (LAN) connection. CMND and 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 the screen can then be captured for easy printing or file sharing.

E-Line Display
86" Powered by Android, Multi-touch

86BDL3052E/00

Specifications

Picture/Display
- Diagonal screen size: 86 inch / 218.44 cm
- Panel resolution: 3840 x 2160
- Optimum resolution: 3840 x 2160 @ 60 Hz
- Brightness: 350 cd/m²
- Response time (typical): 10 ms
- Aspect ratio: 16:9
- Viewing Angle (H / V): 178 / 178 degree
- Pixel pitch: 0.4935 (H) x 0.4935 (V) [mm]
- Display colours: 1.07 B
- 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
- Contrast ratio (typical): 4000:1
- Operating system: Android 8.0
- OS UI resolution: 1920 x 1080 @ 60 Hz

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
720 x 400	70 Hz
832 x 624	75 Hz
1440 x 900	60 Hz
1600 x 900	60 Hz
1680 x 1050	60 Hz
1920 x 1080	60 Hz
1024 x 768	60 Hz
1152 x 870	75 Hz
1280 x 1024	60 Hz
1280 x 720	60 Hz
3840 x 2160	30, 60 Hz
640 x 480	60, 67, 75 Hz
800 x 600	60 Hz

- Video formats

Resolution	Refresh rate
480i	60 Hz
480p	60 Hz
720p	50, 60 Hz
1080i	50, 60 Hz
1080p	50, 60 Hz
2160p	30, 60 Hz
576i	50 Hz
576p	50 Hz

Connectivity
- Video input: DVI-D (x 1), HDMI 2.0 (x 3), VGA (Analogue D-Sub) (x 1), USB 2.0 (x4), USB-C (up to 65 W)
- Audio input: 3.5 mm mini jack (x 1)
- Audio output: 3.5 mm Mini Jack (x 1)
- External control: IR (in/out) 3.5 mm jack, RJ45, RS232C (in/out) 2.5 mm jack
- Other connections: OPS, micro SD, USB-B (x 3)

Convenience
- Placement: Landscape (18/7)
- Screen-saving functions: Pixel Shift, Low Brightness
- Signal loop through: RS232, IR Loop through
- Ease of installation: AC Out, Smart Insert
- Network controllable: RS232, RJ45
- Keyboard control: Lockable
- Remote control signal: Lockable
- Other convenience: Carrying handles

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

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

Sound
- Built-in speakers: 2 x 15 W

Accessories
- Optional accessories: Interact dongles
- Included Accessories: Cleaning cloth (x 1), HDMI Cable (3 m) (x 1), IR sensor cable (1.8 m) (x 1), Philips logo (x 1), Quick start guide (x 1), Remote control and AAA batteries, RS232 daisy chain cable (x 1), Touch Pen (x 2), USB A to B cable (3 m) (x 1), RS232 cable, AC Power Cord, Cable clip (x 3), AC switch cover and Screw x 1, DVI-D cable, USB cover and screws

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
- Regulatory approvals: CE, FCC, Class A, RoHS, CB, EAC, EMF, ETL
- Warranty: 5-year warranty

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

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 7 MOHS

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

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

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

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