**Philips Signage Solutions
E-Line Display**

86"
Powered by Android
Multi-touch

*Signage*Solutions

86BDL3152E

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 and anti-reflection glass, it's made to withstand heavy daily use in busy environments.

Interactive and collaborative
- Multi-touch technology capable of 40 touchpoints
- Advanced IR touch with smaller, shallower bezels
- Philips ScreenShare - wirelessly connect any device
- Embedded whiteboard application

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

Style and safety built-in
- 0-gap touch frame
- Anti-glare and anti-reflection toughened glass 7 MOH
- Palm rejection

Environmentally conscious
- EPEAT Bronze rating

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 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 set-up, monitoring and controlling displays, upgrading firmware, managing central content needs, and setting power schedules. Saving you time, energy and environmental impact.

Specifications

Picture/Display
- Diagonal screen size: 86 inch / 218.44 cm
- Panel resolution: 3840 x 2160
- Optimum resolution: 3840 x 2160 @ 60 Hz
- Response time (typical): 8 ms
- Aspect ratio: 16:9
- Viewing angle (H / V): 178 / 178 degree
- Pixel pitch: 0.4935 (H) x 0.4935 (V)[mm]
- Display colors: 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: ADS
- Contrast ratio (typical): 1200:1
- Operating system: Android 13
- OS UI resolution: 1920 x 1080 @ 60 Hz
- Brightness: 350 cd/m²

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
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

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

Connectivity
- Video input: HDMI 2.0 (x3), VGA (Analog D-Sub) (x1), USB-C (up to 65W), USB 2.0 (x1), USB 3.0 (x4)
- Audio input: 3.5 mm mini jack (x1)
- Audio output: 3.5 mm Mini Jack (x1), SPDIF
- External control: IR (in/out) 3.5 mm jack, RS232C (in/out) 2.5 mm jack, RJ45 x2
- Other connections: OPS, micro SD, USB-B (x3)

Convenience
- Placement: Landscape (16/7)
- Screen saving functions: Pixel Shift, Low Brightness
- Signal loop through: RS232, IR Loopthrough
- 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 ~ 5000 m
- MTBF: 50,000 hour(s)
- Humidity range (operation)[RH]: 10 ~ 90% (without condensation)
- Humidity range (storage) [RH]: 10 ~ 90% (without condensation)

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

Sound
- Built-in speakers: 2 x16 W

Accessories
- Optional accessories: Interact dongles
- 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

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

Specifications

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

Internal Player
• CPU: Quad Core Cortex A55
• GPU: Multi-Core Mali-G52
• Memory: 4GB RAM
• Storage: 32 GB eMMc

Dimensions
• Smart Insert mount: TBD
• Set dimensions (W x H x D):
  1957 x 1160 x 100 mm
• Set dimensions in inch (W x H x D):
  77.05 x 45.67 x 3.94 inch
• Bezel width: TBD
• Wall Mount: 800 x 600 mm,M8
• Weight: TBD kg