



Philips Signage Solutions
E-Line Display

86"

Powered by Android
Multi-touch

SignageSolutions



86BDL4152E

Interactive education 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.

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
- In built motion sensors saving 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
- Blue light filter to help protect eyes

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: 85.6 inch / 217.4 cm
- Panel resolution: 3840 x 2160
- Optimum resolution: 3840x 2160 @ 60Hz
- Dynamic contrast ratio: 500,000:1
- Response time (typical): 8 ms
- Aspect ratio: 16:9
- Viewing angle (H / V): 178 / 178 degree
- Pixel pitch: 0.4935x0.4935 mm
- Display colors: 1.07 billion
- 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
- Contrast ratio (typical): 1200:1
- Operating system: Android 13
- OS UI resolution: 3840 x 2160 @ 60 Hz
- Brightness: 400 cd/m²

Supported Display Resolution

• Computer formats

Resolution	Refresh rate
640 x 350	70Hz
640 x 480	60, 67, 72, 75Hz
800 x 600	56, 60, 72, 75Hz
832 x 624	75Hz
848 x 480	60Hz
960x720	75Hz
1024x768	60,70Hz
1152 x 864	60, 70, 75Hz
1152 x 900	66Hz
1280 x 720	60,70Hz
1280 x 768	60Hz, 75Hz
1280 x 800	60,75Hz
1280 x 960	60Hz
1280x1024	60,67,75Hz
1360 x 768	60Hz
1366 x 768	60Hz
1400 x 1050	60, 75Hz

1600 x 900	60Hz
1600 x 1200	60Hz
1680 x 1050	60Hz
1920 x 1080	60Hz
1920 x 1200	60Hz
3840 x 2160	24,25,30,60Hz
1440 x 900	60Hz
720 x 400	70Hz

• Video formats

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

Connectivity

- Video input: USB 3.0 (x3), USB-C (up to 65W), HDMI 2.0 (x2)
- Audio input: 3.5 mm mini jack (x1), SPDIF (x1)
- Video output: HDMI 2.0 (x1)
- Audio output: 3.5 mm Mini Jack (x1)
- 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), Micro USB (x1) (OTG), Thermal sensor

Convenience

- Placement: Landscape (18/7)
- Screen saving functions: Pixel Shift, Low Brightness
- Signal loop through: RS232, IR Loophthrough
- 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): TBD W
- Consumption (Max): TBD
- Standby power consumption: <0.5 W
- Mains power: 100 - 240V~, 50 - 60Hz, 7.5A
- Power Saving Features: Smart Power
- Energy Label Class: G

Sound

- Built-in speakers: 2 x20 W

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: 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
- 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, VP8, VP9
- USB Playback Picture: BMP, JPEG, PNG
- USB Playback Audio: AAC, HEAAC, MPEG

Specifications

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

Internal Player

- CPU: 4xA73 + 4xA53
- Storage: 32 GB eMMC
- Wifi: 2G/5G/6G 2T2R
- GPU: Multi-Core Mali-G52

Dimensions

- Set dimensions (W x H x D):
1965.1 x 1158.74 x 116.227 mm
- Set dimensions in inch (W x H x D):
77.37 x 45.62 x 4.58 inch
- Wall Mount: 800x400mm, M8
- Bezel width: 16.7mm(T/R/L), 39.42mm(B)
- Weight: TBD kg

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



Issue date 2023-11-20

Version: 1.0.1

12 NC: 8670 001 92061
EAN: 87 12581 80611 8

© 2023 Koninklijke Philips N.V.
All Rights reserved.

Specifications are subject to change without notice.
Trademarks are the property of Koninklijke Philips N.V.
or their respective owners.

www.philips.com