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 & 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 favorite app to run
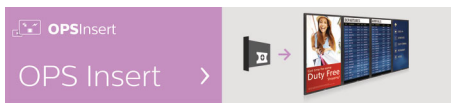- 0-gap touch frame
- Anti-glare toughened glass 7 MOHS

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 & 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.

SmartPower   SmartPlayer   Plug & Play Multi-Touch   OPSInsert   ULTRA RESOLUTION

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 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: 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	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: 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)
- Audio output: 3.5 mm Mini Jack (x1)
- External control: IR (in/out) 3.5 mm jack, RJ45, RS232C (in/out) 2.5 mm jack
- Other connections: OPS, micro SD, USB-B (x3)

Convenience
- Placement: Landscape (18/7)
- 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 ~ 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: <0.5W
- Mains power: 100 ~ 240 VAC, 50/60Hz
- Power Saving Features: Smart Power
- Energy Label Class: G

Sound
- Built-in speakers: 2 x15 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: 20 simultaneous touch points
- Plug and play: HID compliant
- Protection glass: Anti-Glare, Tempered safety glass 7MOHS

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: 3GB DDR3
- Storage: 16GB EMMC

Dimensions
- Smart Insert mount: 100x100mm, 6xM4L6
- Set dimensions (W x H x D): 1960.8 x 1145.7 x 101.3mm(D_Max)/ 79.0mm(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: 17.8mm(T/R/L) x 31.7mm(B)
- VESA Mount: 600 x 400 mm, M8
- Weight: 74.38 kg