



E-Line Display

- 86"
- Powered by Android
- Multi-touch

86BDL3052E/00

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.

Benefits

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

- Android: Run your own app or choose your favorite app to run

- OPS slot allows for PC embedding without cabling
- Whiteboard mode built-in
- 0-gap touch frame
- Anti-glare toughened glass 7 MOHS

Features

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.

PHILIPS

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.

Multi-touch technology

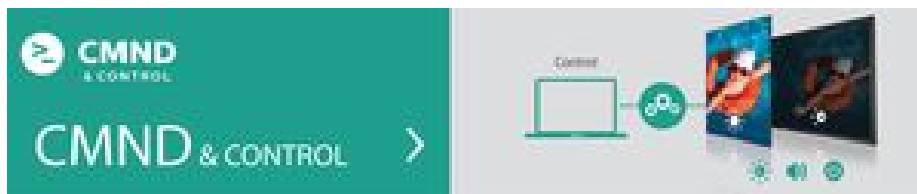


Create a memorable interactive experience with up to 20 touchpoints at the same time. Perfect for collaborative and competitive applications, this display connects your audience with any content - making it ideal for education, public venues, corporate, hospitality, and retail settings. The touch panel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

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.

Specifications

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Picture/Display

Diagonal screen size (metric)	218.44 cm
Diagonal screen size (inch)	86 inch
Panel resolution	3840 x 2160
Optimum resolution	3840 x 2160 @ 60 Hz
Response time (typical)	8 ms
Aspect ratio	16:9
Viewing angle (horizontal)	178 degree
Viewing angle (vertical)	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 VA
Panel technology	VA
Contrast ratio (typical)	4000:1
Operating system	Android 8.0
OS UI resolution	1920 x 1080 @ 60 Hz
Brightness (after glass)	380 cd/m ²
Brightness (before glass)	410 cd/m ²

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
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Video formats	800 x 600, 60Hz 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 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
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Temperature range (storage)	-20~60 °C	FCC, Class A
Altitude	0 ~ 3000 m	RoHS
MTBF	50,000 hour(s)	CB
Humidity range (operation)[RH]	20 ~ 80% (without condensation)	EAC
Humidity range (storage) [RH]	5 ~ 95% (without condensation)	EMF
		ETL
		5 year warranty
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	
		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 Width	1960.8 mm	
Set Height	1145.7 mm	
Set Depth	101.3mm(D_Max)/79.0mm(D_Wallmount) mm	
Set Width (inch)	77.19 inch	
Set Height (inch)	45.11 inch	
Set Depth (inch)	3.98(D_Max)/3.11(D_Wallmount) inch	
Bezel width	17.8mm(T/R/L) x 31.7mm(B)	
Wall Mount	600 x 400 mm, M8	
Weight	74.38 kg	



data subject to change
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