

Multi-Touch Display

- 86"
- Powered by Android
- Multi-touch

86BDL3552T/00

Interactive classroom display

Featuring multi-touch technology

Maximise engagement and inspire collaboration with an interactive Philips T-Line display. Featuring an anti-glare toughened glass, these Android powered displays are made to withstand heavy daily usage and feature up to 20 touchpoints

Benefits

Interactive and collaborative

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

Smart and powerful

- OPS slot allows for PC embedding without cabling

- Whiteboard mode built-in
- Anti-glare toughened glass
- Wireless screen sharing & advanced collaboration
- Android: Run your own app or choose your favorite app to run

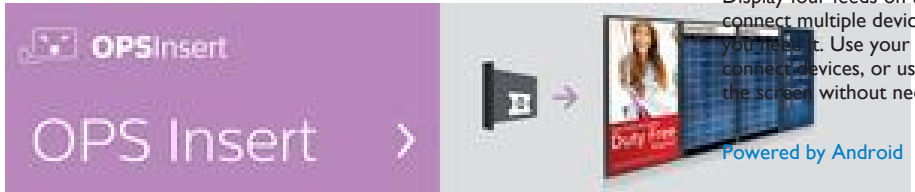
PHILIPS

Features

Multi-touch technology

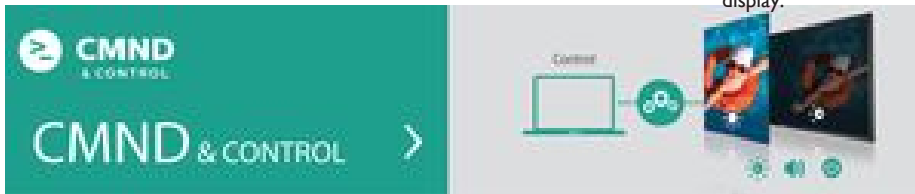
Create a memorable interactive experience with up to 20 touchpoints at the same time. Perfect for collaborative and competitive applications, this display connects your audience with any content - making it ideal for education, public venues, corporate, hospitality, and retail settings. The touch panel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

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.

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.

Wireless screen sharing

Display four feeds on the one screen. Wireless screen sharing allows you to connect multiple devices at the same time for quick content switching when you need it. Use your existing Wi-Fi network to instantly and securely connect devices, or use our optional HDMI interact dongles to cast directly to the screen without needing to connect to your secured/protected network.

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.

Specifications

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Picture/Display

Diagonal screen size (inch)	85.6 inch
Diagonal screen size (metric)	217.4 cm
Panel resolution	3840 x 2160
Optimum resolution	3840x 2160 @ 60Hz
Brightness	420 cd/m ²
Contrast ratio (typical)	1200:1
Dynamic contrast ratio	500,000:1
Aspect ratio	16:9
Response time (typical)	8 ms
Pixel pitch	0.4935x0.4935 mm
Display colors	1.07 billion
Viewing angle (horizontal)	178 degree
Viewing angle (vertical)	178 degree
Picture enhancement	3/2 - 2/2 motion pull down 3D Combfilter Motion compens. deinterlacing 3D MA deinterlacing Dynamic contrast enhancement Progressive scan
Operating system	Android 9
Panel technology	IPS
Surface treatment	Anti-Glare coating

Audio input	DVI-I (x 1)
Audio output	HDMI 2.0 (x4)
Other connections	USB 2.0 (x2)
External control	USB 3.0 (x2)
Video output	USB-C
	3.5mm Jack (x1)
	3.5mm Jack (x2)
	OPS
	micro SD
	RJ45
	RS232C (in/out) 2.5 mm jack
	IR (in/out) 3.5 mm jack
	DVI - D (x1)
	DisplayPort 1.2 (x1)
	HDMI 2.0 (x2)
	USB 2.0 (x2)

Supported Display Resolution

Computer formats	1600 x 1200, 60Hz
	1360 x 768, 60Hz
	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
	1366 x 768, 60Hz
	1400 x 1050 ,60, 75Hz
	1440 x 1050, 60Hz
	1440 x 900, 60, 75Hz
	1600 x 900, 60Hz

Connectivity

Video input	Display Port1.2 (x1)
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	1680 x 1050, 60Hz
	1920 x 1080, 60Hz
	1920 x 1200, 60Hz
	3840 x 2160, 24,25,30,60Hz
	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
Video formats	1080p, 50, 60Hz
	720p, 50, 60Hz
	1080i, 50, 60Hz
	480p, 60Hz
	4K x 2K
	576p, 50Hz
	720p, 60Hz

Dimensions

Set Width	1961.00 mm
Set Height	1132.30 mm
Set Depth	80.5mm(D@wall mount) / 108.4mm(D@speaker cover) mm
Set Width (inch)	77.20 inch
Set Height (inch)	44.58 inch
Set Depth (inch)	3.17(D@wall mount) / 4.27 (D@speaker cover) inch
Bezel width	16.30 mm(even)
Product weight (lb)	163.8 lb
Product weight	74.3 kg
Wall Mount	600(H)x400(V) mm, M8
Smart Insert mount	100mm x 100mm, 6xM4L6

Convenience

Placement	Landscape (18/7) Portrait (12/7) [Portrait (12/7)]
Keyboard control	Hidden Lockable
Signal loop through	RS232 IR Loopthrough
Network controllable	DisplayPort RJ45 RS232
Energy saving functions	Smart Power
Screen saving functions	Low Bright
Ease of installation	Smart Insert
Other convenience	Carrying handles
Picture performance	Advanced color control
Remote control signal	Lockable

Power

Standby power consumption	<0.5 W
Mains power Consumption (Typical)	100 - 240V~, 50 - 60Hz, 7.5A 390 W
Consumption (Max)	650 W
Power Saving Features	Smart Power
Energy Label Class	G

Operating conditions

Temperature range (operation)	0 ~ 40 °C
Temperature range (storage)	-20 ~ 60 °C
Relative humidity	20 ~ 80%(Operational),5 - 95% (Storage) %
Altitude	0 ~ 3000 m
MTBF	50,000 hour(s)

Sound

Built-in speakers	2 x 20W RMS
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Accessories

Included accessories	Remote Control Batteries for remote control Quick start guide RS232 cable AC Power Cord HDMI cable IR sensor cable (1.8M)
Included Accessories	RS232 daisy-chain cable Cleaning cloth (x1) DVI-D cable (1.8m) M2 Screw (x2) M3 screw (x2) Philips logo (x1) Touch Pen (x2) Touch USB (x1) USB Cover (x1)
Optional accessories	Cast to dongle

Multimedia Applications

USB Playback Audio	AAC M4A WMA MP3
USB Playback Video	MKV MP4 MPEG MPG TS VOB ASF AVI DAT FLV WEBM WMV
USB Playback Picture	BMP JPEG PNG JPG

Miscellaneous

On-Screen Display Languages	English French German Spanish Polish Turkish Russian Italian Simplified Chinese Traditional Chinese Arabic Japanese Danish Dutch Finnish Norwegian Portuguese Swedish
Regulatory approvals	CE RoHS BSMI CB ETL FCC, Class A PSB EMF EAC
Warranty	3 year warranty

Interactivity

Multi-touch technology	Advanced infrared touch
Plug and play	HID compliant
Protection glass	Anti-Glare Tempered safety glass
Touch points	20 simultaneous touch points

Internal Player

CPU
GPU
Memory

MTK5680
DDR4 4GB
4GB RAM

Storage
Wifi

32 GB eMMC
AP(WC0SR2511-88112BU)
STA(WCT5GM2511MT7668AU)



data subject to change
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