Multi-Touch Display

• 86"
• Powered by Android
• Multi-touch

86BDL3652T/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

• Android: Run your own app or choose your favorite app to run
• Advanced IR touch with smaller, shallower bezels
• Operate, monitor and maintain with CMND & Control
• Multi-touch technology capable of 20 touchpoints

Smart and powerful

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

• 0-gap touch frame
• Anti-glare toughened glass
• OPS slot allows for PC embedding without cabling
• Whiteboard mode built-in
• Wireless screen sharing & advanced collaboration

feature, showing content in portrait or landscape is as simple as turning the display.
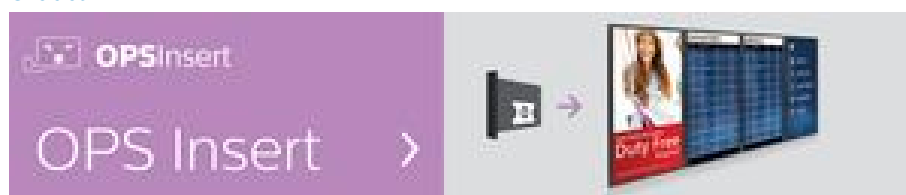
PHILIPS

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.

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.

Whiteboard mode built-in

Inspire agile collaboration with whiteboard mode. Simply activate this feature to turn display into a blank canvas that can be drawn on by multiple users at once with dedicated display markers. Everything on screen can then be saved 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.

Specifications

[field not found 'disclaimer_text']

Picture/Display

Diagonal screen size (metric)	217.4 cm
Diagonal screen size (inch)	85.6 inch
Panel resolution	3840 x 2160
Optimum resolution	3840x 2160 @ 60Hz
Brightness	420 cd/m²
Dynamic contrast ratio	500,000:1
Response time (typical)	8 ms
Aspect ratio	16:9
Viewing angle (horizontal)	178 degree
Viewing angle (vertical)	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
Surface treatment	Anti-Glare coating
Panel technology	IPS
Contrast ratio (typical)	1200:1
Operating system	Android 9

Supported Display Resolution

Computer formats	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
	1440 x 900, 60, 75Hz
	1440 x 1050, 60Hz
	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
Video formats	480p, 60Hz
	576p, 50Hz
	720p, 60Hz
	720p, 50, 60Hz
	1080i, 50, 60Hz
	1080p, 50, 60Hz
	4K x 2K

Connectivity

Video input	Display Port1.2 (x1)
	DVI-I (x 1)
	HDMI 2.0 (x4)
	USB 2.0 (x2)
	USB 3.0 (x2)
	USB-C
Audio input	3.5mm Jack (x1)
Video output	DisplayPort 1.2 (x1)

data subject to change
2023, June 19

	DVI - D (x1)
	HDMI 2.0 (x2)
	USB 2.0 (x2)
Audio output	3.5mm Jack (x2)
External control	IR (in/out) 3.5 mm jack
	RJ45
	RS232C (in/out) 2.5 mm jack
Other connections	OPS
	micro SD

Convenience

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

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)

Power

Consumption (Typical)	390 W
Consumption (Max)	650 W
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 x 20W RMS

Accessories

Optional accessories	Interact dongles
Included Accessories	Cleaning cloth (x1)
	DVI-D cable (1.8m)
	M2 Screw (x2)
	M3 screw (x2)
	Philips logo (x1)
	RS232 daisy-chain cable
	Touch Pen (x2)
	Touch USB (x1)
	USB Cover (x1)
	AC power cord
	Batteries for remote control
	HDMI cable
	IR sensor cable (1.8 m) (x1)
	Quick start guide (x1)
	Remote control (x1)
	RS232 cable

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
	BSMI
	EAC
	EMF
	PSB
	ETL
Warranty	5 year warranty

Multimedia Applications

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

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

Internal Player

CPU	MTK5680
GPU	DDR4 4GB
Memory	4GB RAM
Storage	32 GB eMMc
Wifi	AP(WC0SR2511-88112BU)
	STA(WCT5GM2511MT7668AU)

Dimensions

Smart Insert mount	100mm x 100mm, 6xM4L6
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	17.8 mm(even)
Wall Mount	600(H)x400(V) mm, M8
Product weight	74.3 kg
Product weight (lb)	163.8 lb