

Multi-Touch Display

Signage Solutions

86"

Powered by Android

Multi-touch



86BDL3552T

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

Smart and powerful

- Anti-glare toughened glass
- OPS slot allows for PC embedding without cabling
- Whiteboard mode built-in
- Wireless screen sharing & advanced collaboration
- Android: Run your own app or choose your favorite app to run

Interactive and collaborative

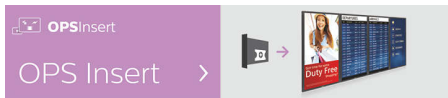
- Operate, monitor and maintain with CMND & Control
- Multi-touch technology capable of 20 touchpoints
- Advanced IR touch with smaller, shallower bezels

Highlights

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

Picture/Display

Diagonal screen size (metric): 217.4 cm

Diagonal screen size (inch): 85.6 inch

Aspect ratio: 16:9

Panel resolution: 3840 x 2160

Pixel pitch: 0.4935x0.4935 mm

Optimum resolution: 3840x 2160 @ 60Hz

Brightness: 420 cd/m²

Display colors: 1.07 billion

Contrast ratio (typical): 1200:1

Dynamic contrast ratio: 500,000:1

Response time (typical): 8 ms

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

Surface treatment: Anti-Glare coating

Panel technology: IPS

Operating system: Android 9

Connectivity

Audio output: 3.5mm Jack (x2)

Video input: Display Port 1.2 (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)

Other connections: OPS, micro SD

Video output: DVI - D (x1), DisplayPort 1.2 (x1), HDMI 2.0 (x2), USB 2.0 (x2)

External control: RJ45, RS232C (in/out) 2.5 mm jack, IR (in/out) 3.5 mm jack

Convenience

Placement: Landscape (18/7), Portrait (12/7)

Screen saving functions: Low Bright

Keyboard control: Hidden, Lockable

Remote control signal: Lockable

Signal loop through: RS232, IR Loophthrough, DisplayPort

Ease of installation: Smart Insert

Energy saving functions: Smart Power

Other convenience: Carrying handles

Picture performance: Advanced color control

Network controllable: RJ45, RS232

Sound

Built-in speakers: 2 x 20W RMS

Power

Mains power: 100 - 240V~, 50 - 60Hz, 7.5A

Consumption (Typical): 390 W

Consumption (Max): 650 W

Standby power consumption: <0.5 W

Power Saving Features: Smart Power

Energy Label Class: G

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, 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

Specifications

Dimensions

Smart Insert mount: 100mm x 100mm, 6xM4L6
Set Width: 1961.00 mm
Product weight: 74.3 kg
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
Wall Mount: 600(H)x400(V) mm, M8
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

Operating conditions

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

Multimedia Applications

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

Internal Player

CPU: MTK5680
GPU: DDR4 4GB
Memory: 4GB RAM

Storage: 32 GB eMMC

Wifi: AP(WCOSR2511-88112BU), STA(WCT5GM2511MT7668AU)

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 dangle

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

Warranty: 3 year warranty

Regulatory approvals: CE, RoHS, BSMI, CB, ETL, FCC, Class A, PSB, EMF, EAC

Interactivity

Multi-touch technology: Advanced infrared touch

Touch points: 20 simultaneous touch points

Plug and play: HID compliant

Protection glass: Anti-Glare, Tempered safety glass

