



Philips Signage Solutions
Multi-Touch Display

86"

Powered by Android
Multi-touch

Signage Solutions



86BDL3652T

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

Interactive and collaborative

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

Smart and powerful

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

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.

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 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.

Specifications

Picture/Display

- Diagonal screen size: 85.6 inch / 217.4 cm
- 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 (H / V): 178 / 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

Resolution	Refresh rate
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

Resolution	Refresh rate
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), 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), Landscape (18/7)
- Screen saving functions: Low Bright
- Signal loop through: DisplayPort, RS232, IR Loophthrough
- 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 dimensions (W x H x D):
1961.00 x 1132.30 x 80.5mm(D@wall mount) / 108.4mm(D@speaker cover) mm
- Set dimensions in inch (W x H x D):
77.20 x 44.58 x 3.17(D@wall mount) / 4.27 (D@speaker cover) inch
- Bezel width: 16.30 mm(even)
- Wall Mount: 600(H)x400(V) mm, M8
- Product weight: 74.3 kg
- Product weight (lb): 163.8 lb



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