Philips Signage Solutions
Multi-Touch Display

86"
Powered by Android
Multi-touch

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

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

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

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Highlights

0-gap touch frame
0-gap touch frame

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.

Advanced IR touch
Advanced IR touch with smaller, shallower bezels

Anti-glare toughened glass
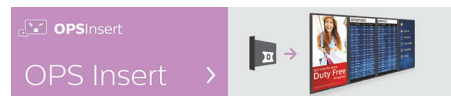Anti-glare toughened glass

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

Connectivity
- Audio output: 3.5mm Jack (x2)
- 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)
- Other connections: OPS, micro SD
- Video output: DisplayPort 1.2 (x1), DVI - D (x1), HDMI 2.0 (x2), USB 2.0 (x2)
- External control: IR (in/out) 3.5 mm jack, RJ45, RS232C (in/out) 2.5 mm jack

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, Progressive scan, 3D MA deinterlacing, Dynamic contrast enhancement
- Surface treatment: Anti-Glare coating
- Panel technology: IPS
- Operating system: Android 9

Convenience
- Placement: Portrait (12/7), Landscape (18/7)
- Screen saving functions: Low Bright
- Keyboard control: Hidden, Lockable
- Remote control signal: Lockable
- Signal loop through: DisplayPort, RS232, IR Loopthrough
- Ease of installation: Smart Insert

- Energy saving functions: Smart Power
- Other convenience: Carrying handles
- Picture performance: Advanced color control
- Network controllable: RS232, RJ45

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: 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

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: 17.8 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: 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

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

Accessories
- 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
- Optional accessories: Interact dongles

Miscellaneous
- On-Screen Display Languages: Arabic, Dutch,

Specifications

Danish, English, French, Finnish, German, Italian, Japanese, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Simplified Chinese, Turkish, Traditional Chinese
• Warranty: 5 year warranty
• Regulatory approvals: CE, FCC, Class A, RoHS, CB, BSMI, EAC, EMF, PSB, ETL

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

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