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

**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
Multi-Touch Display
86" Powered by Android, Multi-touch

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: 85.6 inch / 217.4 cm
- Panel resolution: 3840 x 2160
- Optimum resolution: 3840x2160 @ 60Hz
- Brightness: 420 cd/m²
- Contrast ratio (typical): 1200:1
- Dynamic contrast ratio: 500,000:1
- Aspect ratio: 16:9
- Response time (typical): 8 ms
- Contrast ratio (typical): 1200:1
- Pixel pitch: 0.4935x0.4935 mm
- Display colors: 1.07 billion
- Viewing angle (H / V): 178 / 178 degree
- Panel technology: IPS
- Surface treatment: Anti-Glare coating
- Dynamic contrast ratio: 500,000:1
- Contrast ratio (typical): 1200:1
- Brightness: 420 cd/m²
- Pixel pitch: 0.4935x0.4935 mm
- Display colors: 1.07 billion
- Viewing angle (H / V): 178 / 178 degree
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Motion compen.s, deinterlacing, 3D MA deinterlacing, Dynamic contrast enhancement, Progressive scan
- Operating system: Android 9
- Panel technology: IPS
- Surface treatment: Anti-Glare coating

Connectivity
- Video input: Display Port1.2 (x1), HDMI 2.0 (x4), USB 2.0 (x2), USB 3.0 (x2), USB-C (x2), Built-in speakers: 2 x 20W RMS
- Video output: DVI - D (x1), DisplayPort 1.2 (x1), HDMI 2.0 (x2), USB 2.0 (x2)
- Video input: Display Port1.2 (x1), HDMI 2.0 (x4), USB 2.0 (x2), USB 3.0 (x2), USB-C (x2)
- Audio input: 3.5mm Jack (x1)
- Audio output: 3.5mm Jack (x2)
- Other connections: OPS, micro SD
- External control: RJ45, RS232C (in/out) 2.5 mm jack, IR (in/out) 3.5 mm jack
- Video formats: 1080p 50, 60Hz, 720p 50, 60Hz, 1080i 50, 60Hz, M2 Screw (x2), M3 screw (x2), Philips logo (x1), Touch Pen (x2), Touch USB (x1), USB Cover (x1)
- Optional accessories: Cast to dongle

Supported Display Resolution
- Video formats
  - Resolution Refresh rate
    - 1080p 50, 60Hz
    - 720p 50, 60Hz
    - 1080i 50, 60Hz
    - 480p 60Hz
    - 4K 2K
    - 576p 50Hz
    - 720p 60Hz

Dimensions
- Set dimensions (W x H x D):
  - 1961.0 x 1132.30 x 80.5mm (D@wall mount) / 108.4mm (D@speaker cover)
  - Bezel width: 16.30 mm (even)
  - Product weight: 74.3 kg
  - VESA Mount: 600(H)x400(V) mm, M8
  - Smart Insert mount: 100mm x 100mm, 6xM4L6
  - Smart Insert mount: 100mm x 100mm, 6xM4L6
  - Smart Insert mount: 100mm x 100mm, 6xM4L6

Convenience
- Placement: Landscape (18/7), Portrait (12/7)
- Keyboard control: Hidden, Lockable
- Signal loop through: RS232, IR Loopthrough, DisplayPort
- Network controllable: RJ45, RS232
- Energy saving features: 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: 100 - 240V~, 50 - 60Hz, 7.5A
- Consumption (Typical): 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

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: MTK5680
- GPU: DDR4 4GB
- Memory: 4GB RAM
- Storage: 32 GB eMMC
- WiFi: AP(WC05R2511-88112BU), STA(WCT35G2511MT7668AU)

Issue date 2021-09-29
Version: 12.0.1
Specifications are subject to change without notice.
Trademarks are the property of Koninklijke Philips N.V. or their respective owners.

© 2021 Koninklijke Philips N.V. All Rights reserved.
www.philips.com