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

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
- **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
- **Aspect ratio:** 16:9
- **Response time (typical):** 8 ms
- **Dynamic contrast ratio:** 500,000:1
- **Brightness:** 420 cd/m²
- **Video formats**
  - **Video output:** DisplayPort 1.2 (x1), DVI-D (x1)
- **Audio input:** 3.5mm Jack (x1)
- **Video output:** DisplayPort 1.2 (x1), DVI-D (x1)

### Convenience
- **Placement:** Portrait (12/7), Landscape (18/7)
- **Screen saving functions:** Low Bright
- **Relative humidity:** 20 ~ 80% (Operational), 5 ~ 95% (Storage)
- **Altitude:** 0 ~ 3000 m
- **Temperature range (storage):** -20 ~ 60 °C
- **Temperature range (operation):** 0 ~ 40 °C
- **Power Saving Features:** Smart Power
- **Energy Label Class:** G

### Power
- **Consumption (Typical):** 390 W
- **Consumption (Max):** 650 W
- **Mains power:** 100 - 240V~, 50 - 60Hz, 7.5A

### Dimensions
- **Set dimensions in inch (W x H x D):**
  - 480p: 60x, 60x, 60
  - 720p: 60x, 60x, 60
  - 1080p: 60x, 60x, 60
  - 4K x 2K: 24, 23, 30, 60
- **Product weight:** 74.3 kg
- **Product weight (lb):** 163.8 lb

### Interactivity
- **Multi-touch technology:** 0-gap Infrared touch
- **Touch points:** 20 simultaneous touch points
- **Plug and play:** HID compliant
- **Protection class:** Anti-Glare, Tempered safety glass

### Internal Player
- **CPU:** MTK680
- **GPU:** DDR4 4GB
- **Memory:** 4GB RAM
- **Storage:** 32 GB eMMC
- **WiFi:** AP(WC05R2511-8812BU), STA(WCT5GM2511MT7668AU)

### 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

### Memory
- **GPU:** DDR4 4GB
- **CPU:** MTK 5680

### Power Supply
- **Mains power:** 100 - 240V~, 50 - 60Hz, 7.5A
- **Standby power consumption:** <0.5 W
- **Power Saving Features:** Smart Power
- **Energy Label Class:** G

### Connectivity
- **Video input:** Display Port1.2 (x1), DVI-I (x1), 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 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
- **Operational temperature:** 0 ~ 40 °C
- **Storage temperature:** -20 ~ 60 °C

### Supported Display Resolution
- **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: 60Hz, 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
  - 1600 x 900: 60Hz
  - 1600 x 1200: 60Hz
  - 1680 x 1050: 60Hz
  - 1920 x 1080: 60Hz
  - 1920 x 1200: 60Hz
  - 3840 x 2160: 24, 23, 30, 60Hz

### Video formats
- **Resolution Refresh rate**
  - 480p: 60Hz
  - 720p: 60Hz
  - 1080i: 60Hz
  - 1080p: 60Hz
  - 1080p: 60Hz
  - 4K x 2K: 24, 23, 30, 60Hz

### Accessibility
- **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 chain, 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

### EAN: 87 12581 78197 2
**Issue date 2021-12-22**
© 2021 Koninklijke Philips N.V.
All Rights reserved.
Specifications are subject to change without notice.
Trademarks are the property of Koninklijke Philips N.V. or their respective owners.

[www.philips.com](http://www.philips.com)