

PHILIPS



C-Line Display

Signage Solutions

86"

Powered by Windows

350 cd/m²



86BDL8051C

Interactive meeting display

high-end capacitive multi-touch technology

Maximise engagement and inspire collaboration with an interactive Philips C-Line display. These Windows-powered displays are made to withstand heavy daily usage and feature up to 10 touchpoints, edge-to-edge glass and a flush design.

Smart and powerful

- Anti-glare toughened glass
- Whiteboard mode built in
- Fast and easy video conferencing
- Install and use your preferred apps and features
- Powered by Windows 10
- Crestron Connected certified
- Annotate over any source and save screenshots

Interactive and collaborative

- Operate, monitor and maintain with CMND and Control
- HID Capacitive Touch with USB Plug and Play
- Works with iOS, Android, Windows, Mac
- Wireless screen sharing and advanced collaboration

Highlights

Wireless screen sharing

Display four feeds on the one screen. Use your existing Wi-Fi network to instantly and securely connect devices or use the two included HDMI dongles to cast directly to the screen without needing to connect to your secured/protected network.

HID Capacitive Touch

Capacitive Touch gives you the cutting edge appearance of edge to edge glass with a bezel width of just 1.5 mm! Create a memorable interactive experience with up to 10 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.

Powered by Windows 10

Powerful Core i7 processor with nVidia GPU. Runs all of your favourite apps like Zoom, Skype (included) and MS Teams, MS Office (not included)

CMND and Control



Run your display network over a local (LAN) connection. CMND and 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 the screen can then be captured for easy printing or file sharing.

Fast and easy video conference

Ready to use video conferencing software makes one-to-one or group video calls easier than ever. Simply use your own camera or add the optional Logitech Meetup bundle for an all-in-one ConferenceCam solution.

Crestron Connected certified

Integrate this Philips Professional Display to your Crestron network for full remote control via your laptop, desktop or mobile device. Switch the display on and off, schedule content, manage settings and easily connect external devices. Crestron Connected® provides a fast, reliable and secure enterprise level solution for system control.

Specifications

Picture/Display

Diagonal screen size (metric): 217.42 cm
Diagonal screen size (inch): 85.6 inch
Aspect ratio: 16:9
Panel resolution: 3840 x 2160
Pixel pitch: 0.4935 (H) x 0.4935 (V) mm
Optimum resolution: 3840 x 2160 @ 60 Hz
Brightness: 350 cd/m²
Display colours: 1.07 billion
Contrast ratio (typical): 1000:1
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, Motion compens. deinterlacing, 3D MA deinterlacing, Dynamic contrast enhancement, Progressive scan
Operating system: Windows 10

Connectivity

Audio output: 3.5 mm Jack (x 2)
Video input: Display Port 1.2 (x 1), HDMI 2.0 (x 4), DVI-I (x 1), USB 2.0 (x 2), USB 3.0 (x 2), USB-C
Audio input: 3.5 mm Jack (x 1)
Other connections: micro SD, OPS
Video output: DisplayPort 1.2 (x 1), DVI - D (x 1), HDMI 2.0 (x 2)
External control: RJ45, RS232C (in/out) 2.5 mm jack, IR (in/out) 3.5 mm jack

Convenience

Placement: Landscape, Landscape (18/7)
Screen-saving functions: Pixel Shift, Low Bright
Keyboard control: Hidden, Lockable

Signal loop through: RS232, IR Loop through
Ease of installation: Smart Insert
Energy-saving functions: Smart Power
Network controllable: RJ45, RS232
DPMS power saving system

Sound

Built-in speakers: 2 x 20 W RMS

Power

Mains power: 100 ~ 240 VAC, 50 ~ 60 Hz
Consumption (Typical): 300 W
Consumption (Max): 460 W
Standby power consumption: <0.5 W
Energy Label Class: G

Supported Display Resolution

Computer formats: 1920 x 1200, 60 Hz, 1920 x 1080, 60 Hz, 1680 x 1050, 60 Hz, 1600 x 1200, 60 Hz, 1600 x 900, 60 Hz, 1440 x 1050, 60 Hz, 1440 x 900, 60, 75 Hz, 1400 x 1050, 60, 75 Hz, 1366 x 768, 60 Hz, 1360 x 768, 60 Hz, 1280 x 1024, 60, 67, 75 Hz, 1280 x 960, 60 Hz, 1280 x 800, 60, 75 Hz, 1280 x 768, 60 Hz, 75 Hz, 1280 x 720, 60, 70 Hz, 1152 x 900, 66 Hz, 1152 x 864, 60, 70, 75 Hz, 1024 x 768, 60, 70 Hz, 960 x 720, 75 Hz, 848 x 480, 60 Hz, 832 x 624, 75 Hz, 800 x 600, 56, 60, 72, 75 Hz, 720 x 400, 70 Hz, 640 x 350, 70 Hz, 640 x 480, 60, 67, 72, 75 Hz
Video formats: 1080p, 50, 60 Hz, 576p, 50 Hz, 480p, 60 Hz, 1080i, 50, 60 Hz, 4K x 2K, 50, 60 Hz, 720p, 50, 60 Hz, 480i, 60 Hz
UHD Formats: 3840 x 2160, 24, 25, 30, 60 Hz, 3840 x 2160, 50 Hz

Dimensions

Smart Insert mount: 6*M4*L6, 100 mm pitch, Max. size: 300 mm x 180 mm
Set Width: 1949 mm
Product weight: 79.5 kg
Set Height: 1120.00 mm
Set Depth: 77.50 (@wall mount), 93.00 (@max) mm
Set Width (inch): 76.73 inch
Set Height (inch): 44.09 inch
Wall Mount: 600(H)x400(V) mm, M8
Set Depth (inch): 3.05 (@wall mount), 3.66 (@max) inch
Bezel width: 1.50 mm(even)
Product weight (lb): 175.27 lb

Operating conditions

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

Multimedia Applications

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

Internal Player

CPU: Intel Core i7
GPU: Nvidia GT730
Storage: 256 GB eMMC
RAM: 8 GB DDR4

Multi-touch Interactivity

Touchpoints: 10 simultaneous touch points

Accessories

Included Accessories: Philips logo (x 1), RS232 Daisy chain cable (x 1), Cleaning cloth (x 1), DVI-I Cable (1.8 m) (x 1), HDMI Cable (3 m) (x 1), HDMI transmitter (x 2), IR sensor cable (1.8 m) (x 1), M2 Screw (x 2), M3 screw (x 2), Power cable (x 3), Touch Pen (x 2), USB A to B cable (3 m) (x 1), USB Cover (x 1), AAA batteries (x 1), Quick start guide (x 1), Remote control (x 1), RS232 cable (3 m) (x 1)

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, CB, CU, EMF, FCC, Class A, ETL, PSB

Philips 86BDL8051C
Version: 5.1
Release Date: 2025/09/01

