

# PHILIPS



E-Line Display

Signage Solutions

65"

Powered by Android

Multi-touch



65BDL4052E

## Interactive education display

Featuring multi-touch technology

Inspire collaboration. Maximise engagement. This top-spec Philips E-Line touch display is powered by Android and features enhanced educational software and programs compatibility, 20 touchpoints and a toughened anti-glare glass.

### Smart and powerful

- OPS slot allows for PC embedding without cabling
- Whiteboard mode built in
- Wireless screen sharing and advanced collaboration
- Android: Run your own app or choose your favourite app to run
- 0-gap touch frame
- Anti-glare toughened glass 7 MOHS

### Interactive and collaborative

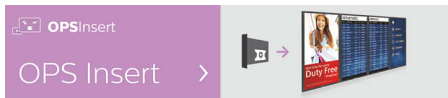
- Multi-touch technology capable of 20 touchpoints
- Advanced IR touch with smaller, shallower bezels
- Catch the Wave for revolutionary results

## 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.

### 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.

### 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.

### PPDS Wave

Unlock power, versatility and intelligence inside your Philips E-Line displays remotely with Wave. This evolutionary cloud platform puts you fully in control, with simplified installation and setup, for monitoring and controlling displays, upgrading firmware, managing playlists and setting power schedules. Saves you time and energy, and reduces environmental impact.



# Specifications

## Picture/Display

Diagonal screen size (metric): 163.9 cm  
 Diagonal screen size (inch): 64.5 inch  
 Aspect ratio: 16:9  
 Panel resolution: 3840 x 2160  
 Pixel pitch: 0.372 x 0.372 mm  
 Optimum resolution: 3840 x 2160 @ 60 Hz  
 Display colours: 1.07 Billion  
 Brightness (after glass): 360 cd/m<sup>2</sup>  
 Brightness (before glass): 390 cd/m<sup>2</sup>  
 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  
 Panel technology: ADS  
 Operating system: Android 11  
 OS UI resolution: 3840 x 2160 @ 60 Hz

## Connectivity

Audio output: 3.5 mm Mini Jack (x 1)  
 Video input: DVI-D (x 1), HDMI 2.0 (x 3), USB 2.0 (x 3), USB 3.0 (x 3), USB-C (up to 65 W)  
 Audio input: 3.5 mm mini jack (x 1)  
 Other connections: OPS, micro SD, USB-B (x 3)  
 Video output: HDMI 2.0 (x 1)  
 External control: IR (in/out) 3.5 mm jack, RJ45, RS232C (in/out) 2.5 mm jack

## Convenience

Placement: Landscape (18/7)  
 Screen-saving functions: Pixel Shift, Low Brightness  
 Keyboard control: Lockable  
 Remote control signal: Lockable  
 Signal loop through: RS232, IR Loop through  
 Ease of installation: Smart Insert, AC Out  
 Other convenience: Carrying handles  
 Network controllable: RS232, RJ45

## Sound

Built-in speakers: 2 x 15 W

## Power

Mains power: 100 ~ 240 VAC, 50 ~ 60 Hz  
 Consumption (Typical): 170 W  
 Consumption (Max): 430 W

Standby power consumption: <0.5 W  
 Power Saving Features: Smart Power  
 Energy Label Class: G

## Supported Display Resolution

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

## Dimensions

Smart Insert mount: 100 x 100 mm, 6xM4L6  
 Set Width: 1494.3 mm  
 Set Height: 883.2 mm  
 Weight: 44.26 kg  
 Set Depth: 99.5 mm(D\_Max)/78.5 mm(D\_Wallmount) mm  
 Set Width (inch): 58.83 inch  
 Set Height (inch): 34.77 inch  
 Wall Mount: 400 x 400 mm, M8  
 Set Depth (inch): 3.92 (D\_Max)/3.09(D\_Wallmount) inch  
 Bezel width: 17.8 mm(T/R/L) x 31.7 mm(B)

## Weight

Product with packaging (kg): 53.8 kg  
 Product with packaging (lb): 118.61 lb  
 Product without stand (kg): 44.26 kg  
 Product without stand (lb): 97.58 lb

## Operating conditions

Altitude: 0 ~ 3000 m  
 Temperature range (operation): 0 ~ 40 °C  
 MTBF: 50,000 hour(s)  
 Temperature range (storage): -20 ~ 60 °C  
 Humidity range (operation)[RH]: 20–80% (without condensation)  
 Humidity range (storage) [RH]: 5–95% (without condensation)

## Multimedia Applications

USB Playback Video: H.263, H.264, H.265, MPEG1/2, MPEG4, VP8, VP9  
 USB Playback Picture: BMP, JPEG, PNG  
 USB Playback Audio: AAC, HEAAC, MPEG

## Internal Player

CPU: MTK 9970A  
 Memory: 8 GB  
 Storage: 32 GB eMMC  
 Wi-Fi: 2G/5G/6G 2T2R

## Accessories

Included Accessories: Cleaning cloth (x 1), AC Power Cord, AC Switch Cover, Cable clip (x 3), DVI-I Cable (1.8 m) (x 1), HDMI Cable (3 m) (x 1), IR sensor cable (1.8 m) (x 1), Philips logo (x 1), Quick start guide (x 1), Remote control and AAA batteries, RS232 cable, RS232 daisy chain cable (x 1), Touch Pen (x 2), USB A to B cable (3 m) (x 1), USB cover and screws  
 Optional accessories: Interact dongles

## 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  
 Warranty: 5-year warranty  
 Regulatory approvals: CE, FCC, Class A, RoHS, CB, EAC, EMF, ETL

## Interactivity

Multi-touch technology: 0-gap Infrared touch  
 Touchpoints: 20 simultaneous touch points  
 Plug and play: HID compliant  
 Protection glass: Anti-Glare, Tempered safety glass 7 MOHS, Blue light filter

