

# PHILIPS



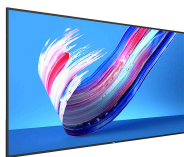
Q-Line Display

Signage Solutions

86"

Direct LED Backlight

Ultra HD



86BDL3650Q

## Stand out from the crowd

Your versatile and easy-to-set-up 18/7 display

Inform and enthrall with a Philips Q-Line 4K Ultra HD digital display. This reliable, easy-to-install, Android powered signage solution is Wave-ready for remote management, putting you in full control, any time, anywhere.

### Cost-effective system solution

- Easy control. Remotely manage networked displays
- Easily schedule content from USB or internal memory

### Effortless setup. Total control.

- Optional Interact for wireless screen share
- Catch the Wave for revolutionary results

### Smart and powerful

- Connect and control your content via the cloud
- Android SoC processor. Native and web apps
- WiFi connection made easy with optional CRD22 module

### Versatile system solution

- Ultra-HD. Rich images. Stunning contrast
- FailOver. Ensure your display never goes blank

## Highlights

### SmartBrowser

Connect and control your content via the cloud with the integrated HTML5 browser. Using the Chromium based browser, design your content online and connect a single display, or your complete network. Show content in both landscape and portrait mode, with fullHD resolution. Simply connect the display to the internet using WiFi or with an RJ45 cable, and enjoy your own created playlists.

### FailOver

Critical for demanding commercial applications, FailOver is a revolutionary technology that automatically plays back-up content on screen in the unlikely event of an input source or

application failure. Simply select a primary input connection and a FailOver connection and you are ready for instant content protection.

### Integrated media player

Easily schedule content to play from USB or from internal memory. Your Philips Professional Display will wake from standby to play the content you want, and then return to standby once playback is done.

### Interact (optional)

Wirelessly screen share using your existing Wi-Fi network to instantly and securely connect devices, or use our optional HDMI Interact dongle to cast directly onto the screen without connecting into the secured network.

### Powered by Android 10

Powered by our Android 10 SoC platform, these hard-working Philips professional displays are optimised for native Android apps, and you can install web apps directly onto the display too. Flexible and secure, ensuring display specs stay up to the moment for longer.

### PPDS Wave

Unlock the power, versatility and intelligence inside your Philips Q-Line displays remotely with Wave. This evolutionary cloud platform puts you fully in control, with simplified installation and set-up, monitoring and controlling displays, upgrading firmware, managing playlists and setting power schedules. Saving you time, energy and environmental impact.



# Specifications

## 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: 0.4935 x 0.4935 mm  
 Optimum resolution: 3840 x 2160 @ 60 Hz  
 Brightness: 400 cd/m<sup>2</sup>  
 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, Progressive scan, Dynamic contrast enhancement  
 Panel technology: IPS  
 Operating system: Android 10  
 Haze: 25%

## Connectivity

Audio output: 3.5mm jack  
 Video input: USB 2.0 (x2), DVI-I (x 1), HDMI 2.0 (x2), USB 3.0 (x1)  
 Audio input: 3.5 mm jack  
 Other connections: micro SD, OPS  
 External control: RS232C (in/out) 2.5 mm jack, IR (in/out) 3.5 mm jack, RJ45

## Convenience

Placement: Landscape (18/7), Portrait (18/7)  
 Tiled Matrix: Up to 3 x 3  
 Keyboard control: Hidden, Lockable  
 Remote control signal: Lockable  
 Signal loop through: RS232, IR Loopthrough  
 Ease of installation: Smart Insert  
 Energy saving functions: Smart Power  
 Network controllable: RS232, RJ45

## Sound

Built-in speakers: 2 x 10W RMS

## Power

Mains power: 100 - 240V~, 50/60Hz  
 Consumption (Typical): 320 W  
 Consumption (Max): 540 W

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

## Supported Display Resolution

Computer formats: 1920 x 1080, 60Hz, 1680 x 1050, 60Hz, 1600 x 1200, 60Hz, 1440 x 900, 60Hz, 1280 x 1024, 60Hz, 1280 x 800, 60Hz, 1280 x 720, 60Hz, 1024 x 768, 60, 70, 75Hz, 1152 x 864, 75Hz, 3840 x 2160, 60 Hz, 50 Hz, 720 x 400, 70Hz, 800 x 600, 56, 60, 72, 75Hz, 800 x 600, 56,60,72 Hz, 832 x 624, 75Hz  
 Video formats: 1080i, 50, 60Hz, 720p, 50,60 Hz, 1080p, 50, 60Hz, 2160p, 50, 60Hz

## Dimensions

Set Width: 1929.0 mm  
 Product weight: 49.06 kg  
 Set Height: 1100.0 mm  
 Set Depth: 69.5mm(D@wall mount) / 91.8mm(D@handle) mm  
 Set Width (inch): 75.94 inch  
 Set Height (inch): 43.31 inch  
 Wall Mount: 600 mm x 400 mm, M8  
 Set Depth (inch): 2.74(@ wall mount)/ 3.61(@ handle) inch  
 Bezel width: 15.5 mm (Even bezel)  
 Product weight (lb): 108.16 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% RH (No condensation)  
 Humidity range (storage) [RH]: 5 ~ 95% RH (No condensation)

## Multimedia Applications

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

## Internal Player

CPU: Quad Core Cortex A55  
 GPU: G52 MC1  
 Memory: 16GB, 3GB DDR

## Accessories

Included Accessories: IR sensor cable (1.8 m) (x1), RS232 daisy-chain cable, Philips logo (x1), AC Power Cord, AC Switch Cover, Cable clip (x2), HDMI cable (1.8 m) (x1), Quick start guide, Remote control & AAA batteries, RS232 cable, USB Cover (x1)

## Miscellaneous

On-Screen Display Languages: Simplified Chinese, Traditional Chinese, English, French, German, Italian, Polish, Russian, Spanish, Turkish, Japanese, Arabic  
 Warranty: 3 year warranty  
 Regulatory approvals: CE, CB, FCC, Class A, VCCI, RoHS, UL

