PHILIPS

Q-Line Display

Signage Solutions

50"

Direct LED Backlight

Ultra HD

50BDL3650Q

Stand out from the crowd

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

Inform and enthral 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.

4K Ultra HD
Clinical D-Image
SmartPower
SmartControl
SmartPlayer

Specifications

Picture/Display
Diagonal screen size (metric): 125.7 cm
Diagonal screen size (inch): 49.5 inch
Aspect ratio: 16:9
Panel resolution: 3840 x 2160
Pixel pitch: 0.2854 x 0.2854 mm
Optimum resolution: 3840 x 2160 @ 60 Hz
Brightness: 400 cd/m²
Display colors: 1.07 Billion
Contrast ratio (typical): 4000:1
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, Dynamic contrast enhancement, Progressive scan
Panel technology: VA
Operating system: Android 10
Haze: 2%

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

Convenience
Placement: Landscape (18/7), Portrait (18/7)
Tiled Matrix: Up to 3 x 3
Keyboard control: Lockable, Hidden
Remote control signal: Lockable
Signal loop through: RS232, IR Loopthrough
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): 97 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, 3840 x 2160, 60Hz
Video formats: 1080p, 50, 60Hz, 1080i, 50, 60Hz, 720p, 50,60 Hz, 2160p, 50, 60Hz

Dimensions
Set Width: 1128.4 mm
Product weight: 14.75 kg
Set Height: 649.0 mm
Set Depth: 63.5 mm
Set Width (inch): 44.43 inch
Set Height (inch): 25.55 inch
Wall Mount: 400 mm x 400 mm, M6
Set Depth (inch): 2.50 inch
Bezel width: 14.9 mm (Even bezel)
Product weight (lb): 32.52 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: MPEG, H.264, H.263, H.265, AVI, MP4, VP8
USB Playback Picture: JPEG, BMP, 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, Quick start guide, Remote control & AAA batteries, RS232 cable, USB cover and screws, Wire Clamper (x3)

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

© 2025 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.

Issue date 2025-09-05
Version: 4.4.1

EAN: 87 12581 79930 4

www.philips.com