

PHILIPS



Signage 4150 Series

86"

24/7 operation

Wave ready



86BDL4150Q

Philips Signage 4150

Advanced efficiency – your versatile 24/7 display

The Philips Signage 4150 brings enhanced brightness and higher haze factor, paired with the proven efficiency of a professional Android 16 SoC and AI ready processing power. Ready to inform and enthrall in Ultra HD.

Modular design – optional extras

- Philips Wave ready for remote device management.
- Add Philips ScreenShare for wireless content sharing.
- Optional CRD32 module brings WiFi and Bluetooth.

Enhanced visual performance – 24/7

- Even bezel design.
- Mount in portrait or landscape orientations.
- 24/7 – promoting content all day, every day.
- 500 cd/m2 brightness.
- Higher haze factor – less reflection.

Advanced connectivity built in

- Plug and play with Android 16 SoC.
- AI ready – 3 TOPS Neural Processing Unit.
- 3GB RAM and 16GB storage.
- USB-C added for future proof input.

Highlights

24/7 operation

With 500 cd/m2 brightness, and a higher haze factor to reduce reflection, the Philips Signage 4150 is designed to be used 24/7, making it a great selection for retail settings, quick service restaurants, public venues, and more.

Powered by Android 16

Powered by Android 16, your Philips Signage 4100 Series display is designed on a professional platform with trusted connectivity and security built in. Optimised for native Android apps and enabling you to install web apps and software directly onto the display, eliminating the need for an external media player.

AI ready with 3 TOPS NPU

With 3 TOPS processing power built in, ready to run your AI applications on the display, ensuring your business is future proof to deliver the high performance content you need into the long term.

Philips Wave ready

Unlock the power, versatility and intelligence inside your Philips Signage 4100 Series 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.

FailOver

Critical for demanding commercial applications, FailOver is a revolutionary technology that automatically plays back up content on screen in the unlikely event of a media player failure. Simply select a primary input connection and a FailOver connection and you are ready for instant content protection.

Modularity built in

Extend your display further into the future with our modular approach. Bringing opportunities to add WiFi and Bluetooth with the optional CRD32 module, as well as Philips ScreenShare for easy wireless content sharing. Plus, a firm focus on reuse and recyclability, as well as sustainability, with extended lifetime possibilities enabling reduced WEEE disposal.

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: 500 cd/m²
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: ADS
Operating system: Android 16
Haze: 25%

Connectivity

Audio output: 3.5mm jack
Video input: HDMI 2.0 (x2), USB-C (x1) with 4.5W PD
Other connections: USB 3.0 (x2), Micro SD
External control: RS232 (in) 2.5 mm jack, IR (in/out) 3.5 mm jack, RJ45
Bluetooth: BT5.2 with optional CRD32 module

Convenience

Placement: Landscape (24/7), Portrait (24/7)
Tiled Matrix: Up to 3 x 3
Keyboard control: Hidden, Lockable
Remote control signal: Lockable
Signal loop through: IR Loopthrough
Energy saving functions: ECO mode
Network controllable: RJ45, WiFi6 with optional CRD32 module

Sound

Built-in speakers: 2 x 10W RMS Audio out 3.5 mm jack

Power

Mains power: 100 - 240V~, 50/60Hz
Consumption (Typical): TBD W
Standby power consumption: <0.5W
Power Saving Features: Smart Power
Energy Label Class: TBD

Supported Display Resolution

Computer formats: 720 x 400, 70Hz, 640 x 480, 60,67,75Hz, 800 x 600, 60Hz, 832 x 624, 75Hz, 1024 x 768, 60Hz, 1152 x 870, 75Hz, 1280 x 720, 60Hz, 1920 x 1080, 60Hz, 1680 x 1050, 60Hz, 3840 x 2160, 30, 60Hz
Video formats: 480i, 60Hz, 480p, 60Hz, 576p, 50Hz, 576i, 50Hz, 720p, 50, 60Hz, 1080i, 50, 60Hz, 1080p, 50, 60Hz, 3840 x 2160, 30, 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: MPEG, H.263, H.264, H.265, AVI, MP4, MPEG4, VP8, VP9, WEBM
USB Playback Picture: BMP, JPEG, PNG
USB Playback Audio: AAC, HEAAC, MPEG

Internal Player

CPU: 2x A73 + 6x A53 RK3572
GPU: ARM Mali G310V2 MC1
Memory: 4GB RAM
Storage: 32 GB eMMC
Wifi: 2.4 G, 5 G

Accessories

Included Accessories: Philips logo (x1), Power cord, AC Switch Cover, Quick start guide, Remote control & AAA batteries, RS232 cable, RS232 daisy-chain cable
Optional accessories: CRD22 Wifi & Bluetooth module, CRD73 Philips ScreenShare license

Miscellaneous

On-Screen Display Languages: Simplified Chinese, Traditional Chinese, English, French, German, Italian, Polish, Russian, Spanish, Turkish, Japanese, Arabic
Warranty: 3 years warranty
Regulatory approvals: CE, CB, FCC, Class A, VCCI, RoHS 2, UL, PSE, EMF, J-Moss, CCC

