



Philips Signage Solutions
D-Line Display

86"

Powered by Android
500 cd/m²

SignageSolutions



86BDL4550D

Chasing innovation

powered by Android

Amaze your guests with a smarter, faster signage display. With integrated WiFi and designed for running Android apps, it's the next evolution in signage solutions

Innovative solutions for any signage application

- Save and play content with internal memory
- Integrated dual-band WiFi
- Android SoC processor. Native and web apps

Maximising the impact of your message

- CMND: Take control of your displays
- Manage settings of multiple displays with CMND & Control
- Create and update content with CMND & Create
- Connect and control your content via the cloud

Care about you, your business and your audience

- Keep your content up and running with FailOver
- Ensure your content is running with automatic screenshots
- SmartPower for energy saving

Expand your viewing experience

- ADS wide-view panel display

PHILIPS

Highlights

Powered by Android 8

Control your display via an Internet connection. Android-powered Philips Professional Displays are optimised for native Android apps and you can install web apps directly to the display too. A new Android 8 OS ensures the software is kept secure and stays up to date with the latest specification for longer.

Internal Memory



Save and play content with internal memory. Upload your media into the display and playback content immediately. Working in conjunction with the internal browser, it also serves as a memory cache when streaming online content. If the network ever fails, the internal memory keeps content running by playing a cached version of the content, ensuring that your media stays up even if the network goes down.

Proof of Play

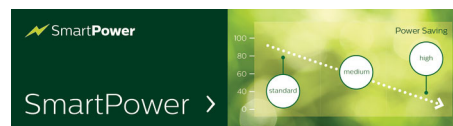
Content is king, and with the automatic screenshot feature, you can make sure that your content is up and running at all times. Screenshots are taken throughout the day, which are then stored in the FTP server. From there, the screenshots can be viewed no matter when, or where you are.

FailOver



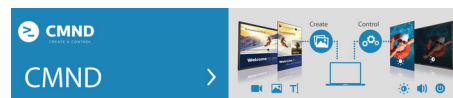
Keeping your content up and running is critical for demanding commercial applications. While it is unlikely you will face a content disaster, FailOver provides content protection with a revolutionary technology that plays back-up content on screen in the event of a media player failure. FailOver automatically kicks in when the primary input fails. Simply select a primary input connection and you're ready for instant protection.

SmartPower



The backlight intensity can be controlled and pre-set by the system to reduce the power consumption by up to 50%, which saves substantially on energy costs.

CMND



A robust display management platform, CMND puts the power back into your hands. Update and manage content with CMND & Create or control your settings with CMND & Control. It's all possible with CMND.

CMND and Create



Design and create compelling content with CMND & Create, a powerful authoring tool. With a drag and drop interface, preloaded templates, and integrated widgets, you'll be able to amaze your customers with compelling content. Available in portrait and landscape mode.

CMND and Control



With CMND & Control, easily manage multiple displays in a central location. With real time display monitoring, setting and software updates from a remote location, and the ability to customise and configure multiple displays at once, such as video wall or menu board displays, controlling your suite of displays has never been easier.

ADS wide-view panel display

Be seen from any angle with ADS wide-view technology. Advanced Super Dimension Switch delivers faster on-display picture processing for smoother content transitions, remarkable image accuracy and superior colour reproduction with 180 degree viewing.

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 either 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 curated playlists.

Specifications

Picture/Display

- Diagonal screen size: 85.6 inch / 217.4 cm
- Panel resolution: 3840 x 2160
- Optimum resolution: 3840 x 2160 @120 Hz
- Brightness: 500 cd/m²
- Contrast ratio (typical): 1200:1
- Dynamic contrast ratio: 500,000:1
- Aspect ratio: 16:9
- Response time (typical): 8 ms
- Pixel pitch: 0.4935 x 0.4935 mm
- Display colours: 1.07 Billion
- Viewing Angle (H / V): 178 / 178 degree
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Motion compens. deinterlacing, 3D MA deinterlacing, Dynamic contrast enhancement, Progressive scan
- Operating system: Android 8.0
- Panel technology: IPS

Connectivity

- Video input: Display Port 1.2 (x 1), DVI-I (x 1), HDMI 2.0 (x 3), USB 2.0 (x 2)
- Video output: DisplayPort 1.2 (x 1), HDMI 2.0 (x 1)
- Audio input: 3.5 mm jack
- Audio output: 3.5 mm jack
- External control: RJ45, RS232C (in/out) 2.5 mm jack, IR (in/out) 3.5 mm jack
- Other connections: OPS
- Wi-Fi: dual aerial 2.4Ghz and 5Ghz
- 4G/LTE antenna connectors: mPCIe

Supported Display Resolution

Computer formats

Resolution	Refresh rate
1920 x 1080	60 Hz
1280 x 1024	60 Hz
1024 x 768	60 Hz
1280 x 720	60 Hz
1440 x 900	60 Hz
1600 x 900	60 Hz
1680 x 1050	60 Hz
3840 x 2160	30, 60 Hz
640 x 480	60 Hz
800 x 600	60 Hz

Video formats

Resolution	Refresh rate
1080p	50, 60 Hz
1080i	50, 60 Hz

2160p	24, 30, 60 Hz
480i	60 Hz
480p	60 Hz
576i	50 Hz
576p	50 Hz
720p	50,60 Hz

Dimensions

- Set dimensions (W x H x D): 1929.0 x 1100 x 69.5 (D@Wall mount)/ 91.8 (D@Handle) mm
- Set dimensions in inch (W x H x D): 75.94 x 43.31 x 2.74 (D@Wall mount)/ 3.61 (D@Handle) inch
- Bezel width: 15.5 mm (Even bezel)
- Product weight (lb): 111.11 lb
- Product weight: 50.4 kg
- Wall Mount: 600(H)x400(V) mm, M8

Convenience

- Placement: Landscape (24/7), Portrait (24/7)
- Tiled Matrix: Up to 10 x 15
- Keyboard control: Hidden, Lockable
- Signal loop through: IR Loop through, DisplayPort, HDMI, RS232
- Network controllable: RS232
- Energy-saving functions: Smart Power
- Screen-saving functions: Pixel Shift, Low Bright
- WiFi protocol: a b g n, 802.1x

Power

- Standby power consumption: <0.5 W
- Mains power: 100 ~ 240 VAC, 50 ~ 60 Hz
- Consumption (Typical): 410 W
- Consumption (Max): 600 W
- Energy Label Class: G

Operating conditions

- Temperature range (operation): 0 ~ 40 °C
- Temperature range (storage): -20 ~ 60 °C
- Altitude: 0 ~ 3000 m
- MTBF: 50,000 hour(s)
- Humidity range (operation)[RH]: 20–80% RH (No condensation)
- Humidity range (storage) [RH]: 5–95% RH (No condensation)

Sound

- Built-in speakers: 2 x 10 W RMS

Accessories

- Included accessories: Quick start guide, RS232 cable, AC Power Cord, IR sensor cable (1.8 M), Remote Control and AAA Batteries
- Included Accessories: RS232 daisy-chain cable, Philips logo (x 1), AC Switch Cover, USB Cover (x 1), Screws

Multimedia Applications

- USB Playback Audio: AAC, HEAAC, MPEG
- USB Playback Picture: BMP, JPEG, PNG
- USB Playback Video: MPEG, H.263, H.264, H.265

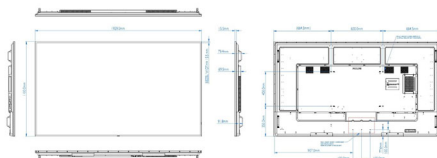
Miscellaneous

- On-Screen Display Languages: English, French, German, Spanish, Polish, Turkish, Russian, Italian, Simplified Chinese, Traditional Chinese, Arabic, Japanese, Danish, Dutch, Finnish, Norwegian, Portuguese, Swedish
- Regulatory approvals: CE, RoHS, BSMI, CB, CCC, CU, EMF, ETL, FCC, Class A, PSB, VCCI, J-Moss, PSE
- Warranty: 3 year warranty

Internal Player

- CPU: 2 x A53 + 2 x A73
- GPU: ARM Mali G51
- Memory: 3 GB DDR
- Storage: 32 GB eMMC

Philips 86BDL4550D
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Release Date: 20200908



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Version: 9.0.1

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