Philips Signage Solutions
D-Line Display

86"
Powered by Android
500cd/m²

SignageSolutions

86BDL4150D



Chasing innovation

powered by Android

Impress with a large diameter display. Designed to run Android Apps, the Philips D-Line is the high-performance powerhouse for corporate, educational and similar environments that need to go bigger.

Innovative solutions for any signage application
- Android: Run your own app or choose your favorite app to run
- Save and play content with internal memory

Optimized for public viewing
- 4K Ultra HD: resolution like you've never seen it before

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

Care about you, your business and your audience
- Mini PCI Expess Slot
- Ensure your content is running with automatic screenshots
- Keep your content up and running with FailOver
- Simplify meetings with FailOver for conferencing
- SmartPower for energy saving

PHILIPS

Highlights

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.

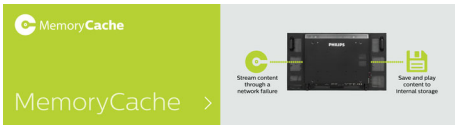
4K Ultra HD Resolution

See your Signage Solutions like never before thanks to four times the resolution of a conventional Full HD display. 3840 x 2160 pixels provide and image so refined, so lifelike, it's a window to a new world.

Mini PCI Slot

With a mini PCI express slot built in, you can easily extend display connectivity to include 4G LTE modules. This is also a great way to enhance machine to machine communication. Result: a world of configuration possibilities, such as adding product features or expanding signal-handling capabilities.

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 feauture, 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

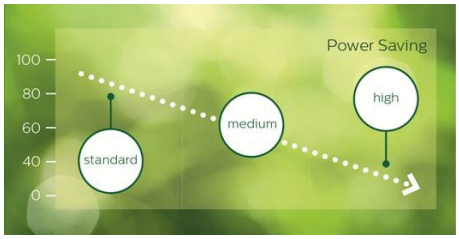


Keeping your content up and running is critical for demanding commercial applications. While it is unlikely you will face a content disaster, FailOver provides content protection with a revolutionary technology that plays back-up content on screen in the event of a media player failure. FailOver automatically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

FailOver for Meeting Rooms

Using FailOver, simplify your presentations and videoconferencing. When a meeting or conference room is not in use, background content can run from whatever input source you choose. When the meeting starts and you need to share a presentation or your screen, simply connect your computer and the display automatically switches inputs and shows what's on your screen, with no need to manually switch inputs.

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 & 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 customize and configure multiple displays at once, such as video wall or menu board displays, controlling your suite of displays has never been easier.

CMND & 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.

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. Streaming content can also be shown in a PIP (picture-in-picture) window. Simply connect the display to the internet using WiFi or with an RJ45 cable, and enjoy your own created playlists

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Specifications

Picture/Display
- Diagonal screen size: 85.6 inch / 217.4 cm
- Panel resolution: 3840 x 2160
- Optimum resolution: 3840 x 2160 @60Hz
- Brightness: 500 cd/m²
- Contrast ratio (typical): 1200:1
- Dynamic contrast ratio: 500,000:1
- Aspect ratio: 16:9
- Response time (typical): 12 ms
- Pixel pitch: 0.4935 x 0.4935 mm
- Display colors: 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 7.1.2

Connectivity
- Video input: DisplayPort, DVI-D, HDMI (x3), VGA (Analog D-Sub)
- Video output: DisplayPort
- Audio input: 3.5 mm jack
- Audio output: 3.5mm jack
- Other connections: mPCIe, micro SD, micro USB, USB power outlet (5 V. 2 amp), OPS, USB, type A
- External control: RJ45, RS232C (in/out) 2.5 mm jack

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
3840 x 2160	60Hz
1920 x 1080	60Hz
1600 x 1200	60Hz
1360 x 768	60Hz
1280 x 1024	60Hz
1280 x 800	60Hz
1280 x 768	60Hz
1024 x 768	60, 75Hz
640 x 480	60, 72, 75Hz
720 x 400	70Hz
800 x 600	60, 75Hz

- Video formats

Resolution	Refresh rate
2160p	30,50, 60Hz
1080p	50, 60Hz
1080i	25, 30Hz
720p	50, 60Hz
576i	25, 50Hz
576p	25, 50Hz
480i	30, 60Hz
480p	30, 60Hz

Dimensions
- Set dimensions (W x H x D): 1927.9 x 1098.9 x 85.9 mm
- Set dimensions in inch (W x H x D): 75.90 x 43.26 x 3.38 inch
- Bezel width: 15.2 (T/L/R/B)
- Product weight (lb): 140.65 lb
- Product weight: 63.8 kg
- VESA Mount: 600(H)x400(V) mm, M8
- Smart Insert mount: 100 x 200 mm

Convenience
- Placement: Landscape, Portrait
- Tiled Matrix: Up to 15 x 15
- Keyboard control: Hidden, Lockable
- Signal Loop Through: IR Loopthrough
- Network controllable: RJ45, RS232
- Energy saving functions: Smart Power
- Screen saving functions: Pixel Shift, Low Bright
- Ease of installation: Smart Insert
- Picture in picture: PIP

Power
- Standby power consumption: <0.5 W
- Mains power: 100 ~ 240 VAC, 50 ~ 60 Hz
- Consumption (Typical): 220W +/- 10% W

Operating conditions
- Temperature range (operation): 0 ~ 40 °C
- Temperature range (storage): -20 ~ 60 °C
- Relative humidity: 20 %~ 80%(operation),10%-90%(storage) %
- Altitude: 0 ~ 3000 m
- MTBF: 50,000 hour(s)

Sound
- Built-in speakers: 2 x 10W RMS

Accessories
- Included accessories: Remote Control, Batteries for remote control, Quick start guide, RS232 cable, AC Power Cord, HDMI cable, IR sensor cable (1.8M)
- Included Accessories: RS232 daisy-chain cable, SD card cover, Logo guide, Philips logo

Multimedia Applications
- USB Playback Audio: AAC, M4A, MP3, WMA
- USB Playback Picture: BMP, JPEG, JPG, PNG
- USB Playback Video: ASF, AVI, DAT, FLV, MKV, MP4, MPEG, MPG, TS, VOB, WEBM, WMV

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, FCC, Class B, UL/cUL, C-Tick, RoHS, GOST, BSMI, CB
- Warranty: 3 year warranty

Internal Player
- CPU: Dual-Core Cortex-A72 @2GHz, Quad-Core Cortex-A53 @ 1.5GHz
- GPU: ARM Mali-T864
- Memory: 4GB DDR3
- Storage: 64G eMMc

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