



Philips Signage Solutions  
D-Line Display

49"

Powered by Android  
450cd/m<sup>2</sup>

**Signage**Solutions



49BDL4051D

## Say more

Smart, fast 24/7 display.

Make it stand out with a faster Philips D-Line Professional display. With Philips superb picture quality and Android SOC more powerful than ever before, capable of delivering complex content to capture your audience's attention. Specificall

### **Superb picture. Blazing processor speed.**

- Android 7. Dedicated Android processor
- Proof of Play for Android content. Know what's playing
- Integrated dual-band WiFi

### **Effortless setup. Total control.**

- Operate, monitor and maintain with CMND & Control
- CMND & Create. Develop and launch your own content
- CMND & Deploy. Install and launch apps remotely
- Integrated mPCIe slot for optional 4G/LTE module

### **Cost-effective system solution**

- FailOver ensures content is always playing
- Integrated HTML5 browser. Play and control online content
- Energy-saving automatic backlight control

# PHILIPS

# Highlights

## Powered by Android

Control your Philips professional display via an internet connection. The integrated Android OS (SoC) lets you install web and native Android apps directly to the display. A built-in scheduler makes it easy to launch apps and content based on time of day, or user.

## CMND & Control



Run your display network over a local (LAN) connection. CMND & Control allows you to perform vital functions like controlling inputs and monitoring display status. Whether you're in charge of one screen or 100.

## CMND & Create



Take control of your content with CMND & Create. A drag-and-drop interface makes it simple to publish your own content-whether it's a daily specials board or branded corporate information. Preloaded templates and integrated widgets ensure your stills, text, and video will be up and running in no time.

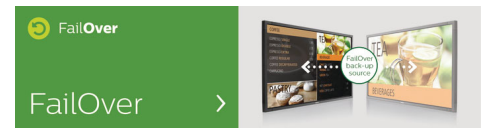
## CMND & Deploy

Quickly install and launch any app-even when you're off-site and working remotely. CMND & Deploy lets you add and update your own apps, as well as apps from the Philips Professional Display App Store. Simply scan the QR code, log in to the store, and click on the app you want to install. The app is automatically downloaded and launched.

## Integrated mPCIe slot

Easily connect 4G/LTE modules to your Philips professional display. The integrated mPCIe slot enables your display to communicate with other devices that share the same wireless connectivity. Invaluable if you're installing displays in locations such as banks or government buildings, where you cannot get onto the local network.

## FailOver



From waiting room to meeting room, never show a blank screen. FailOver lets your Philips Professional Display switch automatically between primary and secondary inputs ensuring content keeps playing even if the primary source goes down. Simply set a list of alternate inputs to be sure your business is always on.

# Specifications

## Picture/Display

- Diagonal screen size: 48.5 inch / 123.2 cm
- Panel resolution: 1920x1080p
- Optimum resolution: 1920 x 1080 @ 60Hz
- Brightness: 450 cd/m<sup>2</sup>
- Contrast ratio (typical): 1100:1
- Dynamic contrast ratio: 500,000:1
- Aspect ratio: 16:9
- Response time (typical): 12 ms
- Pixel pitch: 0.55926 x 0.55926 mm
- Display colors: 16.7 million
- Viewing angle (H / V): 178 / 178 degree
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Motion compens. deinterlacing, 3D MA deinterlacing, Progressive scan
- Panel technology: IPS
- Placement: Landscape, Portrait
- Operating system: Android 7.1.2

## Connectivity

- Video input: Display Port1.2 (x1), DVI-I (x 1), HDMI 2.0 (x2)
- Video output: DisplayPort 1.2 (x1), DVI-I (x1)
- Audio input: 3.5 mm jack
- Audio output: 3.5mm jack
- External control: RJ45, RS232C (in/out) 2.5 mm jack, IR (in/out) 3.5 mm jack
- Other connections: micro USB, USB 3.0, USB 2.0, micro SD, mPCIe

## Supported Display Resolution

### Computer formats

| Resolution  | Refresh rate |
|-------------|--------------|
| 1920 x 1200 | 60Hz         |
| 1920 x 1080 | 60Hz         |
| 1680 x 1050 | 60Hz         |
| 1600 x 1200 | 60Hz         |
| 1600 x 900  | 60Hz         |
| 1400 x 1050 | 60, 75Hz     |
| 1440 x 1050 | 60Hz         |
| 1440 x 900  | 60, 75Hz     |
| 1366 x 768  | 60Hz         |
| 1360 x 768  | 60Hz         |
| 1280x1024   | 60,67,75Hz   |
| 1280 x 720  | 60,70Hz      |

|            |                  |
|------------|------------------|
| 1280 x 800 | 60,75Hz          |
| 1280 x 768 | 60Hz, 75Hz       |
| 1024x768   | 60,70Hz          |
| 1152 x 864 | 60, 70, 75Hz     |
| 1152 x 900 | 66Hz             |
| 1280 x 960 | 60Hz             |
| 960x720    | 75Hz             |
| 848 x 480  | 60Hz             |
| 832 x 624  | 75Hz             |
| 800 x 600  | 56, 60, 72, 75Hz |
| 720 x 400  | 70Hz             |
| 640 x 480  | 60, 67, 72, 75Hz |
| 640 x 350  | 70Hz             |

### Video formats

| Resolution | Refresh rate |
|------------|--------------|
| 1080p      | 50, 60Hz     |
| 1080i      | 50, 60Hz     |
| 720p       | 50, 60Hz     |
| 576i       | 50Hz         |
| 576p       | 50Hz         |
| 480p       | 60Hz         |
| 480i       | 60Hz         |

## Dimensions

- Set dimensions (W x H x D): 1097.6 x 633.9 x 45.5 mm
- Set dimensions in inch (W x H x D): 43.21 x 24.96 x 1.79 inch
- Bezel width: 9.6 mm (T/L/R), 15.7 mm (B)
- Product weight (lb): 32.63 lb
- Product weight: 14.80 kg
- VESA Mount: 400 x 400 mm, M6

## Convenience

- Tiled Matrix: Up to 15 x 15
- Keyboard control: Hidden, Lockable
- Signal loop through: IR Loophrough, DisplayPort, DVI, RS232
- Network controllable: RJ45, RS232
- Screen saving functions: Pixel Shift
- Picture in picture: PIP

## Power

- Standby power consumption: <0.5 W
- Mains power: AC (100 ~ 240 V) , 2.5A

- Consumption (Typical): 75 W
- Consumption (On mode): 130W (max)

## 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 10W RMS

## Accessories

- Included accessories: Remote Control, Batteries for remote control, Quick start guide, RS232 cable, AC Power Cord
- Stand: Universal Stand-L (BM05922)(Optional)
- Included Accessories: Edge Alignment Kit (1 )-2pcs, Edge Alignment Kit (2)-1pcs, M2 Screw (x2), M3 screw (x1), Philips logo (x1), RS232 daisy-chain cable, SD card cover (x1), Thumb Screw (x8)

## Multimedia Applications

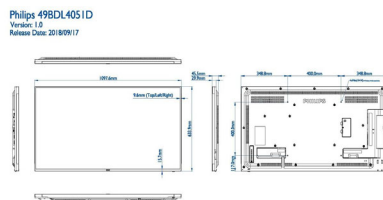
- USB Playback Audio: AAC, M4A, MP3, WMA
- USB Playback Picture: BMP, JPEG, JPG, PNG
- USB Playback Video: MKV, MP4, MPEG, MPG, TS, VOB, WMV, ASF, AVI, DAT, FLV

## 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, BSMI, CB, EAC, EnergyStar 7.0, FCC, Class A, PSB, UL/cUL, CECP, EPA
- Warranty: 3 year warranty

## Internal Player

- CPU: Dual-Core Cortex-A72 @2GHz, Quad-Core Cortex-A53 @ 1.5GHz, RK3399
- GPU: ARM Mali-T860 MP4
- Memory: 4GB DDR3
- Storage: 16GB EMMC
- Wifi: 2T2R, 802.11 ac/a/b/g/n, WCT07R2201
- Operating system: Android 7.1.2



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12 NC: 8670 001 56731  
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