



#### D-Line Display

- 50"
- 4K UHD
- 500cd/m<sup>2</sup>

50BDL4650D/00

## Smart and modular for an even longer lifetime

powered by Android

Philips D-Line is designed to engage your audience and delight customers. Powered by Android 11 for easy software integrations, this versatile display is suitable for impact in any setting.

### Benefits

#### Innovative solutions for any signage application

- Save and play content with internal memory
- Integrated WiFi 6 and Bluetooth module
- Android SoC processor. Native and web apps

#### Maximizing the impact of your message

- Connect and control your content via the cloud
- Catch the Wave for revolutionary results

#### Care about you, your business and your audience

- 4G/LTE optional module for reliable connection
- FailOver. Ensure your display never goes blank
- Modularity - longer product lifetime

# PHILIPS

## Features

### 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.

### 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

Extend your display into the future with our modular approach. Bringing opportunities for longer product lifetime with easily detached and replaced components, and a firm focus on sustainability, with reduced WEEE disposal.

### Powered by Android 11

Powered by Android 11 and with integrated WiFi, your Philips D-Line delivers the ultimate, most secure and connected display experience. 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.

### SmartBrowser

Connect and control your content via the cloud with our integrated HTML5, Chromium-based browser. Design your content online and connect a single display, or your entire network, either landscape or portrait, in 4k UHD resolution. Simply connect to the internet via WiFi or with an RJ45 cable.

### PPDS Wave

Unlock the power, versatility and intelligence inside your Philips D-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.

## Specifications

[field not found 'disclaimer\_text']

### Picture/Display

Diagonal screen size (inch)	49.5 inch
Diagonal screen size (metric)	125.7 cm
Panel resolution	3840 x 2160
Optimum resolution	3840 x 2160 @ 60Hz
Brightness	500 cd/m <sup>2</sup>
Contrast ratio (typical)	4000:1
Dynamic contrast ratio	500,000:1
Aspect ratio	16:9
Response time (typical)	8 ms
Pixel pitch	0.2854 x 0.2854 mm
Display colors	1.07 Billion
Viewing angle (horizontal)	178 degree
Viewing angle (vertical)	178 degree
Picture enhancement	3/2 - 2/2 motion pull down Motion compens. deinterlacing Dynamic contrast enhancement Progressive scan
Operating system	Android 11
Panel technology	VA
Haze	25%

### Connectivity

Video input	DVI-I (x 1) DisplayPort 1.4 (x1) HDMI 2.0 (x2) USB 3.0 (x2) VGA (via DVI)
Video output	DisplayPort 1.4 (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
WiFi	WiFi 6 + Bluetooth 5.2 (slide-in module)
Other connections	4G/LTE antenna connectors

Micro USB (x1) (OTG)  
USB 2.0 (x1)

### Supported Display Resolution

Computer formats	1920 x 1080, 60Hz 1024 x 768, 60Hz 1280 x 1024, 60Hz 1280 x 720, 60Hz 1440 x 900, 60 Hz 1600 x 900, 60Hz 1680 x 1050, 60Hz 3840 x 2160, 30, 60Hz 640 x 480, 60Hz 800 x 600, 60Hz
Video formats	1080i, 50, 60Hz 576i, 50Hz 576p, 50Hz 480p, 60Hz 480i, 60Hz 1080p, 50, 60Hz 720p, 50,60 Hz 2160p, 50, 60Hz

### Dimensions

Set Width	1128.4 mm
Set Height	649.0 mm
Set Depth	63.5 mm
Set Width (inch)	44.43 inch
Set Height (inch)	25.55 inch
Set Depth (inch)	2.50 inch
Bezel width	14.9 mm (Even bezel)
Product weight (lb)	32.52 lb
Product weight	14.75 kg
Wall Mount	400 (H)x 400 (V) mm, M6

### Convenience

Placement	Landscape (24/7) Portrait (24/7) Up to 10 x 15
Tiled Matrix	Hidden
Keyboard control	Lockable
Signal loop through	RS232 IR Loopthrough

data subject to change  
2023, July 8

Network controllable	DisplayPort RS232 External 4G mPCIe slot RJ45 WiFi	USB Playback Picture	BMP JPEG PNG
Energy saving functions	Smart Power	USB Playback Video	MPEG H.263 H.264 H.265
Screen saving functions	Pixel Shift		AVI MP4 MPEG4 VP8 VP9 WEBM
WiFi protocol	a b g n, 802.11 ax, 802.11 ac		
<b>Power</b>			
Standby power consumption	<0.5 W	<b>Miscellaneous</b>	On-Screen Display Languages
Mains power Consumption (Typical)	100 ~ 240 VAC, 50 ~ 60 Hz		
Consumption (Max)	TBD		English French German Spanish Polish Turkish Russian Italian Simplified Chinese Traditional Chinese Arabic Japanese Danish Dutch Finnish Norwegian Portuguese Swedish
Energy Label Class	G		CE CCC RoHS CB EMF FCC, Class A EnergyStar 8.0 UL
<b>Operating conditions</b>			
Temperature range (operation)	0 ~ 40 °C	Regulatory approvals	3 year warranty
Temperature range (storage)	-20 ~ 60 °C		
Altitude	0 ~ 3000 m	<b>Warranty</b>	Internal Player
MTBF	50,000 hour(s)		
Humidity range (operation)[RH]	20 - 80% RH (No condensation)		CPU GPU Memory Storage
Humidity range (storage) [RH]	5 - 95% RH (No condensation)		2x A72 + 4x A53 ARM Mali-T860 MP4 4GB RAM 32 GB eMMc
<b>Sound</b>			
Built-in speakers	2 x 10W RMS		
<b>Accessories</b>			
Included Accessories	RS232 daisy-chain cable Philips logo (x1) AC Switch Cover USB Cover (x1) Screws AC Power Cord IR sensor cable (1.8 m) (x1) Quick start guide Remote control & AAA batteries RS232 cable WiFi module Wire Clamper (x3)		
<b>Multimedia Applications</b>			
USB Playback Audio	AAC HEAAC MPEG		



data subject to change  
2023, July 8

Version: 1.0.1  
EAN: 8712581799823

© 2023 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.

[www.philips.com](http://www.philips.com)