



D-Line Display

- 55"
- Powered by Android
- 500cd/m²

55BDL4650D/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

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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

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Picture/Display

Diagonal screen size (inch)	54.6 inch
Diagonal screen size (metric)	138.7 cm
Panel resolution	3840 x 2160
Optimum resolution	3840 x 2160 @ 60Hz
Brightness	500 cd/m ²
Contrast ratio (typical)	5000:1
Aspect ratio	16:9
Response time (typical)	8 ms
Pixel pitch	0.315 x 0.315 mm
Display colors	1.07 Billion
Viewing angle (horizontal)	178 degree
Viewing angle (vertical)	178 degree
Operating system	Android 11
Dynamic contrast ratio	500,000:1
Panel technology	VA
Picture enhancement	3/2 - 2/2 motion pull down Dynamic contrast enhancement Motion compens. deinterlacing Progressive scan
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 1680 x 1050, 60Hz 1600 x 900, 60Hz 1024 x 768, 60Hz 1280 x 1024, 60Hz 1280 x 720, 60Hz 1440 x 900, 60 Hz 3840 x 2160, 30, 60Hz 640 x 480, 60Hz 800 x 600, 60Hz
Video formats	1080i, 50, 60Hz 576p, 50Hz 576i, 50Hz 480p, 60Hz 480i, 60Hz 1080p, 50, 60Hz 720p, 50,60 Hz 2160p, 50, 60Hz

Dimensions

Set Width	1241.8 mm
Set Height	712.6 mm
Set Depth	63.6 mm
Set Width (inch)	48.89 inch
Set Height (inch)	28.20 inch
Set Depth (inch)	2.50 inch
Bezel width	13.9 mm (Even bezel)
Product weight (lb)	36.60 lb
Product weight	16.6 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	IR Loopthrough DisplayPort

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Network controllable	RS232 RS232 External 4G mPCIe slot RJ45 WiFi Pixel Shift	USB Playback Picture	BMP JPEG PNG
Screen saving functions		USB Playback Video	MPEG H.263 H.264 H.265
Energy saving functions	Smart Power		AVI MP4 MPEG4 VP8 VP9 WEBM
WiFi protocol	a b g n, 802.11 ax, 802.11 ac		
Power			
Standby power consumption	0.5 W		
Mains power Consumption (Typical)	100 ~ 240 VAC, 50 ~ 60 Hz	Miscellaneous	
Consumption (Max)	TBD W	On-Screen Display Languages	English French German Spanish Polish Turkish Russian Italian Simplified Chinese Traditional Chinese
Energy Label Class	TBD G		Arabic Japanese Danish Dutch Finnish Norwegian Portuguese Swedish
Operating conditions			
Temperature range (operation)	0 ~ 40 °C		CE RoHS CB FCC, Class A CCC EMF EnergyStar 8.0 UL
Temperature range (storage)	-20 ~ 60 °C		
Altitude	0 ~ 3000 m	Regulatory approvals	
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	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)	Warranty	3 year warranty
Multimedia Applications			
USB Playback Audio	AAC HEAAC MPEG	Internal Player	
		CPU	2x A72 + 4x A53
		GPU	ARM Mali-T860 MP4
		Memory	4GB RAM
		Storage	32 GB eMMC



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