



D-Line Display

- 86"
- Powered by Android
- 500cd/m²

86BDL4650D/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

Expand your viewing experience

- ADS wide-view panel display

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.

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.

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)	85.6 inch
Diagonal screen size (metric)	217.4 cm
Panel resolution	3840 x 2160
Optimum resolution	3840 x 2160 @60 Hz
Brightness	500 cd/m ²
Contrast ratio (typical)	4000:1
Dynamic contrast ratio	500,000:1
Aspect ratio	16:9
Response time (typical)	8 ms
Pixel pitch	0.4935 x 0.4935 mm
Display 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)
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Supported Display Resolution

Computer formats	1920 x 1080, 60Hz 1280 x 1024, 60Hz 1024 x 768, 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	1080p, 50, 60Hz 1080i, 50, 60Hz 480i, 60Hz 480p, 60Hz 576i, 50Hz 576p, 50Hz 720p, 50,60 Hz 2160p, 50, 60Hz

Dimensions

Set Width	1929.0 mm
Set Height	1100 mm
Set Depth	69.5(D@Wall mount) / 91.8(D@Handle) mm
Set Width (inch)	75.94 inch
Set Height (inch)	43.31 inch
Set Depth (inch)	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

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Keyboard control	Hidden
Signal loop through	Lockable IR Loopthrough DisplayPort RS232
Network controllable	RS232 External 4G mPCIe slot RJ45 WiFi
Energy saving functions	Smart Power
Screen saving functions	Pixel Shift
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
Consumption (Max)	TBD W
Energy Label Class	TBD 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 10W RMS
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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)
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Multimedia Applications

USB Playback Audio	AAC HEAAC MPEG
USB Playback Picture	BMP JPEG PNG
USB Playback Video	MPEG H.263 H.264 H.265 AVI MP4 MPEG4 VP8 VP9 WEBM

Miscellaneous

On-Screen Display Languages	English French German Spanish Polish Turkish Russian Italian Simplified Chinese Traditional Chinese
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Regulatory approvals

Arabic
Japanese
Danish
Dutch
Finnish
Norwegian
Portuguese
Swedish
CE
RoHS
CB
CCC
EMF
FCC, Class A
EnergyStar 8.0
UL
3 year warranty

Warranty

Internal Player

CPU	2x A72 + 4x A53
GPU	ARM Mali-T860 MP4
Memory	4GB RAM
Storage	32 GB eMMC



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Version: 1.0.1
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