Q-Line Display

• 50"
• Direct LED Backlight
• Ultra HD

50BDL3650Q/00

Stand out from the crowd

Your versatile and easy-to-set-up 18/7 display

Inform and enthral with a Philips Q-Line 4K Ultra HD digital display. This reliable, easy-to-install, Android powered signage solution is Wave-ready for remote management, putting you in full control, any time, anywhere.

Benefits

Effortless setup. Total control.
• Optional Interact for wireless screen share
• Catch the Wave for revolutionary results

Cost-effective system solution
• Easy control. Remotely manage networked displays
• Easily schedule content from USB or internal memory

Smart and powerful

Features

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. Simply connect the

• Connect and control your content via the cloud
• Android SoC processor. Native and web apps
• WiFi connection made easy with optional CRD22 module

Versatile system solution
• Ultra-HD. Rich images. Stunning contrast
• FailOver. Ensure your display never goes blank

display to the internet using WiFi or with an RJ45 cable, and enjoy your own created playlists.

PHILIPS

FailOver

Critical for demanding commercial applications, FailOver is a revolutionary technology that automatically plays back-up content on screen in the unlikely event of an input source or application failure. Simply select a primary input connection and a FailOver connection and you are ready for instant content protection.

Integrated media player

Easily schedule content to play from USB or from internal memory. Your Philips Professional Display will wake from standby to play the content you want, and then return to standby once playback is done.

Interact (optional)

Wirelessly screen share using your existing Wi-Fi network to instantly and securely connect devices, or use our optional HDMI Interact dongle to cast directly onto the screen without connecting into the secured network.

Powered by Android 10

Powered by our Android 10 SoC platform, these hard-working Philips professional displays are optimised for native Android apps, and you can install web apps directly onto the display too. Flexible and secure, ensuring display specs stay up to the moment for longer.

PPDS Wave

Unlock the power, versatility and intelligence inside your Philips Q-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 (metric)	125.7 cm
Diagonal screen size (inch)	49.5 inch
Panel resolution	3840 x 2160
Optimum resolution	3840 x 2160 @ 60 Hz
Brightness	400 cd/m²
Contrast ratio (typical)	4000:1
Dynamic contrast ratio	500,000:1
Response time (typical)	8 ms
Aspect ratio	16:9
Viewing angle (horizontal)	178 degree
Viewing angle (vertical)	178 degree
Pixel pitch	0.2854 x 0.2854 mm
Display colors	1.07 Billion
Panel technology	VA
Picture enhancement	3/2 - 2/2 motion pull down Dynamic contrast enhancement Progressive scan
Operating system	Android 10
Haze	2%

Supported Display Resolution

Computer formats	1920 x 1080, 60Hz 1680 x 1050, 60Hz 1600 x 1200, 60Hz 1440 x 900, 60Hz 1280 x 1024, 60Hz 1280 x 800, 60Hz 1280 x 720, 60Hz 1024 x 768, 60, 70, 75Hz 3840 x 2160, 60Hz
Video formats	1080p, 50, 60Hz 1080i, 50, 60Hz 720p, 50,60 Hz 2160p, 50, 60Hz

Connectivity

Video input	HDMI 2.0 (x2) USB 2.0 (x2) DVI-I (x 1) USB 3.0 (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 SD

Convenience

Energy saving functions	Smart Power
Tiled Matrix	Up to 3 x 3
Keyboard control	Lockable Hidden
Network controllable	RS232 RJ45
Signal loop through	RS232 IR Loopthrough
Placement	Landscape (18/7) Portrait (18/7)
Remote control signal	Lockable

Dimensions

Bezel width	14.9 mm (Even bezel)
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
Wall Mount	400 mm x 400 mm, M6
Product weight	14.75 kg
Product weight (lb)	32.52 lb

Operating conditions

Temperature range (operation)	0 ~ 40 °C
Temperature range (storage)	-20 ~ 60 °C
MTBF	50,000 hour(s)
Altitude	0 ~ 3000 m
Humidity range (operation)[RH]	20 ~ 80% RH (No condensation)
Humidity range (storage) [RH]	5 ~ 95% RH (No condensation)

Power

Mains power	100 - 240V~, 50/60Hz
Standby power consumption	<0.5W
Consumption (Max)	190 W
Consumption (Typical)	115 W
Power Saving Features	Smart Power
Energy Label Class	G

Sound

Built-in speakers	2 x 10W RMS

Multimedia Applications

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

Accessories

Included Accessories	IR sensor cable (1.8 m) (x1)
	RS232 daisy-chain cable
	Philips logo (x1)
	AC Power Cord
	AC Switch Cover
	Quick start guide
	Remote control & AAA batteries
	RS232 cable
	USB cover and screws
	Wire Clamper (x3)

Miscellaneous

Warranty	3 year warranty
On-Screen Display Languages	English
	French
	German
	Italian
	Polish
	Russian
	Spanish
	Turkish
	Simplified Chinese
	Traditional Chinese
	Arabic
	Japanese
Regulatory approvals	CE
	FCC, Class A
	VCCI
	CB
	RoHS
	UL

Internal Player

CPU	Quad Core Cortex A55
GPU	G52 MC1
Memory	16GB
	3GB DDR

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