

Philips

E-Line Display

- 46"
- Edge LED Backlight
- Full HD

BDL4650EL/00

Deliver your marketing messages in style

with this sleek LED display

Maximising your content delivery whilst lowering your TCO has never been so easy or stunning. This 46" display offers gorgeous full HD picture quality with lower power consumption thanks to the edge LED backlight.

Benefits

Optimised for public viewing
- Full HD LCD display, 1920 x 1080p

Lower total cost of ownership
- SmartPower for energy saving

Operational flexibility
- Edge LED Backlight
- Smart Control Software Suite
- Smart insert in the back cover to place a small PC
- Keep your content up and running with Failover
- Portrait mode operability
- Enhanced zoom feature supports tiled matrix applications
- IR Pass-through
- Remote Management and Configuration via RS232
- Display Port for faster graphics support
- Designed for 24/7 operation

Features

Edge LED Backlight

Experience an even dispersion of light with cutting edge LED technology. White LED's (light emitting diodes) are positioned around the rim of the panel to give a more even spread of light. This results in even lower power consumption, less heat to dissipate and a true, uniform colour range.

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Smart Control

Control and manage all of the signage displays on your network with this powerful software tool, which allows you to change the settings of your display centrally via an RJ45 or RS232 connection. Smart Control allows you to set the video input, modify the colour settings, set the display's ID when creating video walls and even diagnose each display's status, giving you all the power you need to manage your displays from one central location.

Smart Insert

Professional PCs are part of most public signage installations. Quite often they increase the overall depth of the display and cause a lot of cable clutter. So we have designed this display with Smart insert in the back cover, which is ideal for the integration of a professional small form factor PC. On top of that, the cable management system offers a great solution to keep your cables neat and professional-looking.

SmartPower



The backlight intensity can be controlled and pre-set by the system to reduce the power consumption by up to 50%, which saves substantially on energy costs.

Failover



Keeping your content up and running is critical for demanding commercial applications. While it is unlikely you will face a content disaster, Failover provides 24/7 protection with a revolutionary technology that plays back-up content on screen in the event of a media player failure. Failover automatically kicks in when the primary input fails. Simply select a primary input connection and a Failover connection and you're ready for instant protection.

Zoom function for tiled matrix

The internal zoom function enables easy implementation of a video wall matrix, without the need for expensive external equipment. Capable of many different configurations, creating a stunning video wall has become simplicity itself.

IR Pass-through

Control all displays in your signage network through one single remote control, via the primary display. Simple and convenient, this means you don't have to worry about other displays changing configuration settings when using your remote control unit.

Display Port

Enjoy crystal-clear images with the high-bandwidth graphics support of the Display Port. As well as transmitting full high-definition video, the Display Port will also transmit audio, thus, eliminating the need for extra cables.

Specifications

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Picture/Display

Diagonal screen size (inch)	46 inch
Diagonal screen size (metric)	117 cm
Panel resolution	1920 x 1080p
Optimum resolution	1920 x 1080 @ 60 Hz
Brightness	500 cd/m²
Contrast ratio (typical)	4000:1
Aspect ratio	16:9
Response time (typical)	6.5 ms
Pixel pitch	0.17675 x 0.53025 mm
Display colours	1.07 billion
Viewing angle (hori-zontal)	178 degree
Viewing angle (vertical)	178 degree
Picture enhancement	3/2 - 2/2 motion pull down 3D Combfilter Motion compens. deinterlacing 3D MA deinterlacing Dynamic contrast enhancement

Connectivity

PC	RJ45 VGA-in D-Sub 15HD VGA-out (via DVI-I) RS232 D-Sub9 RS232 D-sub9 output 3.5 mm PC audio input x 1
AV input	DVI-D x 1 Component (BNC) x 1 Composite (BNC) x 1
Other connections	Display Port DVI Out HDMI AC-out IR out External loudspeaker connector
AV output	Audio (L/R) x 1

Supported Display Resolution

Computer formats	1920 x 1200, 60 Hz 1920 x 1080, 60 Hz 1600 x 1200, 60 Hz 1440 x 900, 60 Hz 1366 x 768, 60 Hz 1360 x 768, 60 Hz 1280 x 1024, 60 Hz 1280 x 800, 60 Hz 1280 x 768, 60 Hz 1024 x 768, 60 Hz 800 x 600, 60, 72, 75 Hz 640 x 480, 60, 67, 72, 75 Hz
Video formats	480i, 60 Hz 480p, 60 Hz 576p, 50 Hz 576i, 50 Hz

	720p, 50, 60 Hz 1080i, 50, 60 Hz 1080p, 50, 60 Hz

Dimensions

Set Width	1052.7 mm
Set Height	607.3 mm
Set Depth	69 mm
Bezel width	15.8 mm
Product weight	22 kg
VESA Mount	400 x 400 mm, 400 x 200 mm, 200 x 200 mm
Smart Insert mount	100 x 100 mm, 100 x 200 mm

Convenience

Signal Loop Through	DVI VGA RS232 IR Loop through
Network controllable	RJ45 RS232 HDMI (One Wire)
Placement	Landscape Portrait
Picture in picture	PBP PIP POP
Energy-saving functions	Smart Power
Ease of installation	Smart Insert AC Out
Keyboard control	Hidden Lockable
Other convenience	Carrying handles
Packaging	Reusable box
Tiled Matrix	Up to 5 x 5

Power

Consumption (On mode)	66.89 W (EnergyStar 6.0 test method)
Standby power consumption	<0.5 W
Mains power	100 ~ 240 VAC, 50 ~ 60 Hz

Sound

Built-in speakers	2 x 10 W RMS

Operating conditions

Temperature range (operation)	0 ~ 40 °C
Temperature range (storage)	-20 ~ 60 °C
Relative humidity	20 ~ 80 %
Altitude	0 ~ 3000 m
MTBF	60,000 hour(s)

Accessories

Included accessories	Remote Control Batteries for remote control AC Power Cord VGA cable User manual on CD-ROM Quick start guide
Stand	BM05462 (Optional)

Miscellaneous

On-Screen Display Languages	English French German Spanish Polish Turkish Russian Simplified Chinese Italian
Regulatory approvals	CE FCC, Class B UL/cUL CCC C-Tick RoHS GOST
Warranty	3-year warranty

data subject to change
2014, October 29

Version: 5.3.1
EAN: 8712581646325

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