Philips Signage Solutions
E-Line Display

42"
Edge LED Backlight
Full HD
OPS Slot

SignageSolutions

BDL4252EL



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 42" display offers gorgeous full HD picture quality with lower power consumption thanks to the edge LED backlight.

Optimised for public viewing
- Full HD LED technology for brilliant images
- IPS wide view technology for image and colour accuracy

Lower total cost of ownership
- SmartPower for energy saving

Operational flexibility
- Portrait mode operability
- Smart Control Software Suite
- Open Pluggable Specification Slot
- Smart insert in the back cover to place a small PC
- Keep your content up and running with FailOver
- Designed for 24/7 operation
- IR Pass-through
- Enhanced zoom feature supports tiled matrix applications
- Many Functions. One Wire

PHILIPS

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Highlights

IPS Display Technology
Philips IPS displays uses an advanced technology, which gives you extra-wide viewing angles of 178/178 degrees, making it possible to view the display from almost any angle — even in portrait mode. IPS displays give you remarkably crisp images with vivid colours, particularly suitable for professional video wall and menu board applications, which demand colour accuracy and consistent brightness at all times.

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.

OPS Slot
Developed for the Digital Signage market, the Open Pluggable Specification (OPS) slot is designed to make changing or upgrading your media player mere child's play. Simply plug your media player in to the display and you're ready. No matter whether you have an entry level, mid-range or high-end media player, OPS is fully compatible bringing you a lower TCO over the longer term.

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.

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.

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.

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.



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Specifications

Picture/Display
- Diagonal screen size: 42.02 inch / 106.73 cm
- Panel resolution: 1920 x 1080p
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Brightness: 450 cd/m²
- Contrast ratio (typical): 1300:1
- Dynamic contrast ratio: 500,000:1
- Aspect ratio: 16:9
- Response time (typical): 12 ms
- Pixel pitch: 0.4845 x 0.4845 mm
- Display colours: 1.07 billion
- Surface treatment: Anti-Glare coating
- Viewing Angle (H / V): 178 / 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, RS232 D-Sub9, RS232 D-sub9 output, 3.5 mm PC audio input x 1, VGA-out (via DVI-I)
- AV input: DVI-D x 1, Component (BNC) x 1, Composite (BNC) x 1
- Other connections: OPS, Display Port, DVI Out, HDMI, AC-out, IR out, External loudspeaker connector
- AV output: Audio (L/R) x 1

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
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

Resolution	Refresh rate
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 dimensions (W x H x D): 965.8 x 558.8 x 69 mm
- Bezel width: 15.8 mm
- Product weight: 18.3 kg
- VESA Mount: 400 x 200 mm, 200 x 200 mm
- Smart Insert mount: 100 x 100 mm, 100 x 200 mm

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

Power
- Mains power: 100 ~ 240 VAC, 50 ~ 60 Hz
- Consumption (On mode): 81.98 W (EnergyStar 6.0 test method)
- Standby power consumption: <0.5 W

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: 50,000 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

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