Philips Signage Solutions
E-Line Display

42"
Edge LED Backlight
Full HD
OPS Slot

**Signage**Solutions

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.

### Optimized for public viewing
- Full HD LED technology for brilliant images
- IPS wide view technology for image and color 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 backcover to place a small pc
- Keep your content up and running with Failover
- Designed for 24/7 operation
- IR Passthrough
- Enhanced zoom feature supports tiled matrix applications
- Many Functions. One Wire

# PHILIPS

# Highlights

### IPS Display Technology

Philips IPS displays uses an advanced technology which gives you extra wide viewing angles of 178/178 degree, making it possible to view the display from almost any angle - even in portrait mode. IPS displays gives you remarkably crisp images with vivid colors, especially suitable for professional video wall and menuboard applications which demand color 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 color 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 primairy input connection and a Failover connection and your ready for instant protection.

### Smart Insert

Professional PC's are part of most public signage installations. Quite often they increase the overall depth to 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 Passthrough

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.

Full HD 1080p DISPLAY

OPS

SmartPower

LED

Smart Insert

RJ45

Slim Bezel

Portrait Mounting

# Specifications

## Picture/Display
- Diagonal screen size: 42.02 inch / 106.73 cm
- Panel resolution: 1920x1080p
- Optimum resolution: 1920 x 1080 @ 60Hz
- 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 colors: 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 x1, VGA-out (via DVI-I)
- AV input: DVI-D x1, Component (BNC) x1, Composite (BNC) x1
- Other connections: OPS, Display Port, DVI Out, HDMI, AC-out, IR out, External loudspeaker connector
- AV output: Audio (L/R) x1

## Supported Display Resolution
- Computer formats

| Resolution | Refresh rate |
| --- | --- |
| 1920 x 1200 | 60Hz |
| 1920 x 1080 | 60Hz |
| 1600 x 1200 | 60Hz |
| 1440 x 900 | 60Hz |
| 1366 x 768 | 60Hz |
| 1360 x 768 | 60Hz |
| 1280 x 1024 | 60Hz |
| 1280 x 800 | 60Hz |
| 1280 x 768 | 60Hz |
| 1024 x 768 | 60Hz |
| 800 x 600 | 60, 72, 75Hz |
| 640 x 480 | 60, 67, 72, 75Hz |

- Video formats

| Resolution | Refresh rate |
| --- | --- |
| 480i | 60Hz |
| 480p | 60Hz |
| 576p | 50Hz |
| 576i | 50Hz |
| 720p | 50, 60Hz |
| 1080i | 50, 60Hz |
| 1080p | 50, 60Hz |

## 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: <0.5W

## Sound
- Built-in speakers: 2 x 10W 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