

# IPLD-32x128-RGB-4-ODN-Wayside

(Outdoor Enclosed Wayside)



## SPECIFICATIONS

### MECHANICAL

|        |                  |
|--------|------------------|
| Length | 50.4" (1280 mm)  |
| Height | 12.6" (320 mm)   |
| Depth  | 8.7" (222 mm)    |
| Weight | 20 lbs (9.07 kg) |

### POWER

|                     |                       |
|---------------------|-----------------------|
| Input               | 12–24 VDC at 50–60 Hz |
| Max Consumption     | 160W Maximum          |
| Typical Consumption | 40W Typical           |

### ELECTRICAL

|                  |                                  |
|------------------|----------------------------------|
| Ethernet         | RJ45 — 10/100 Mb Cat5            |
| USB              | 2.0 Host — Type A                |
| Audio            | 3.5 mm Stereo Jack (3-conductor) |
| Enclosure        | 2 × 3/4" Knockout Openings       |
| Power Connection | Wago Lever Nuts                  |

### DISPLAY

|              |                  |
|--------------|------------------|
| LED Array    | 32 x 128         |
| Total Pixels | 4,096            |
| Dot Pitch    | 4mm              |
| Color        | Full Color R/G/B |

### INTERNAL

|           |                                  |
|-----------|----------------------------------|
| Processor | ARM A8 @ 1 GHz                   |
| Memory    | 1 GB SDRAM                       |
| Storage   | uSD Card — 2 GB min              |
| Cooling   | 2 × 60 mm thermal-activated fans |

### ENVIRONMENTAL

|                    |                                    |
|--------------------|------------------------------------|
| Operating Temp     | –34 °C to 65 °C (–30 °F to 150 °F) |
| Humidity           | Up to 90% non-condensing           |
| Ethernet Isolation | 1500 VAC min (IEEE 802.3)          |
| LED Rating         | IP65 — PTFE gasketed               |



# DISPLAY FEATURES



## Integrated 10/100 Ethernet

TCP/IP enabled out of the box with a **built-in web server**. Supports **DHCP** and **NTP** for effortless network integration.

## Browser-Based Interface

Manage your display from **any web browser**—send messages, check status, configure thresholds and layouts. **No software to install**.

## Dynamic Sign Layouts

Schedule any number of layouts with the built-in **Playlist manager**. Control display order, timing, and content for maximum impact.



## Conditions & Program Logic

Tie **program logic** to sign variables. When data changes, **automatically activate or deactivate** messages, layouts, thresholds, and commands.



## Server-Free Solution

**No middleware or additional hardware** needed. Web-based interfaces and **XML or JSON** data structures let you work directly with the sign.

## Direct PLC Interfaces

Connect to standard-based PLCs with native protocol support:



## Remote Snapshot

View exactly what's on the display from anywhere. The sign generates a **live copy** of the current output and sends it directly to your browser.



## Live Message Elements

Insert real-time data into any message. Combine static text, scrolling text, live data fields, clocks, and bitmap graphics in a single layout.



## Fonts, Graphics & Effects

Choose from **44 built-in** text and graphic fonts. Add **entry and exit effects** to bring your messages to life.

## Data Thresholds

Set thresholds on your data to **automatically change message color or state**, bringing immediate visual impact to critical events.



## Simple Integration / Open Interface

Use standard **XML or JSON** to send data — **no proprietary protocols**. Works with Excel, SQL Server, Perl, VB, C#, and more.

