

IPLD-24X48-RGB-6.67-ODX-FS

(Outdoor Exposed Front Service)



SPECIFICATIONS

MECHANICAL

Length	12.6" (320 mm)
Height	3.7" (93 mm)
Depth	6.3" (160 mm)
Weight	6 lbs (2.7 kg)

POWER

Input	12–24 VDC at 50–60 Hz
Max Consumption	180W Maximum
Typical Consumption	45W 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	24 x 48
Total Pixels	1,152
Dot Pitch	6.67mm
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**.

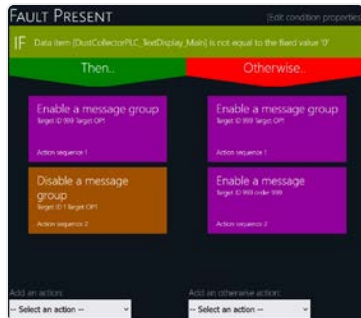
Dynamic Sign Layouts

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.

