DATASHEET

02/2026

IPLED-128x96-RGB-10-ODX-FS

(Outdoor & Indoor Exposed Front Service)

SPECIFICATIONS

MECHANICAL

Length	37.8″ (960 mm)
Height	50.4″ (1280 mm)
Depth	6.3″ (160 mm)
Weight	160.1 lbs (72.6 kg)

POWER

Input	100–265 VAC at 50–60 Hz
Max Consumption	1280W Maximum
Typical Consumption	320W 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	128 x 96
Total Pixels	12,288
Dot Pitch	10mm
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

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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

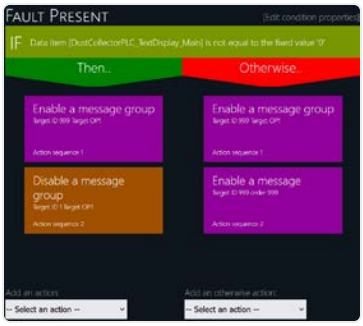
Manage your display from **any web browser**—send messages, check status, configure thresholds and layouts. **No software to install**.

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:

Ethernet/IP™ | Modbus/TCP | Melsec (Mitsubishi) | FINS (OMRON) | OPC

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.

EtherNet/IP ODVA

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