ip displays™

IPLED-96x96-RGB

(Indoor Standard)

SPECIFICATIONS

MECHANICAL

Length	31" (787 mm)
Height	32" (813 mm)
Depth	3" (76 mm)
Weight	60 lbs (27.2 kg)

DISPLAY

LED Array	96 x 96
Total Pixels	9,216
Dot Pitch	8mm
Color	Full Color R/G/B

POWER

Input	12–24 VDC at 50–60 Hz
Max Consumption	1128W Maximum
Typical Consumption	285W Typical

INTERNAL

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

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

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**.
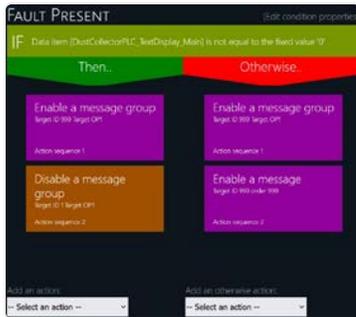
Dynamic Sign Layouts

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:

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