

FLI-1200 Series

***RISC-based industrial auto-configuration server appliances,
2 PoE LANs with M12 connectors***



- > Marvell 1.0 GHz processor
- > 512 MB of DDRII memory built in
- > 2 10/100 Mbps Ethernet ports for network redundancy
- > Compliant with essential sections of EN 50155*
- > IEC 61373 certified for shock and vibration resistance

*Moxa defines "essential compliance" to include those EN 50155 requirements that make products more suitable for rolling stock railway applications.



Overview

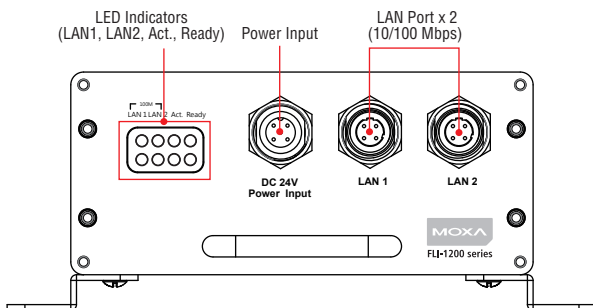
Moxa's FLI-1200 is an industrial auto-configuration server appliance designed to automatically configure and monitor various Moxa products in harsh industrial environments.

The FLI-1200 has a fanless, thermally efficient, dust- and water-protected IP54-rated chassis. The sealed enclosure protects the internal components from dust and splashed water, and is compliant with the EN 50155 standard, covering operating temperature, power input voltage, power surges, ESD, and vibration, ensuring that the FLI-1200 can operate reliably under extreme environments for rolling stock applications.

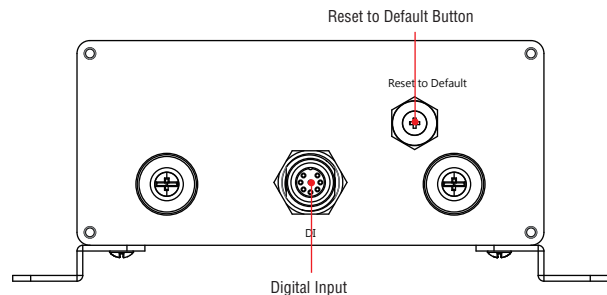
The FLI-1200 comes with Moxa's FLI technology, which ensures that the replacement or deployment of any Moxa device will not affect the existing architecture, and eliminates the need to perform manual reentry or reconfiguration. With its web-based interface, users can easily manage the system and monitor the status of any device being controlled by the FLI-1200. In addition, its reliable and robust design ensures that when the primary FLI server is offline, the backup server will take over to keep the auto-configuration functionality up and running. With the FLI-1200, users can maintain Moxa's products more efficiently, and realize a considerable reduction in maintenance costs and human error.

Appearance

Front View

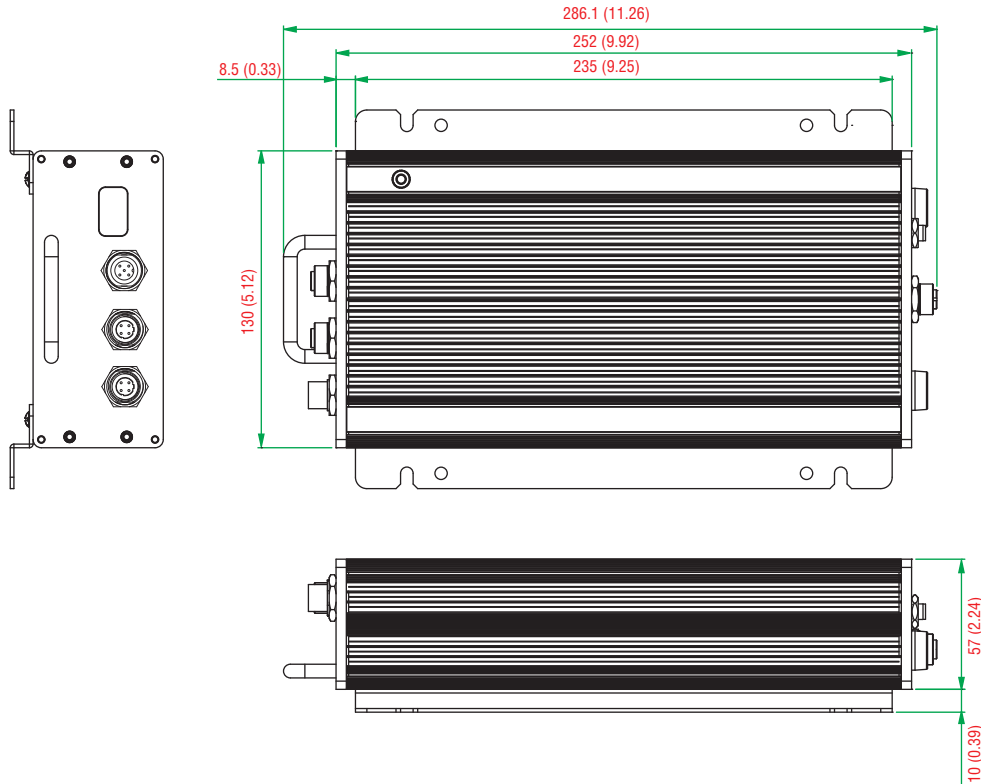


Rear View



Dimensions

Unit: mm (inch)



Specifications

Computer

CPU: Marvell 1.0 GHz 88F6281

DRAM: 512 MB DDRII

Flash Memory: Onboard 2 GB USB DOM to store OS

Digital Input

Input Channels: 2, source type

Input Voltage: 0 to 30 VDC at 25 Hz

Digital Input Levels for Dry Contacts:

- Logic level 0: Close to GND
- Logic level 1: Open

Digital Input Levels for Wet Contacts:

- Logic level 0: +3 V max.
- Logic level 1: +10 V to +30 V (COM to DI)

Connector Type: M12 A-coded female

Isolation: 3 kV optical isolation

Ethernet Interface

LAN: 2 auto-sensing 10/100 Mbps ports (M12 D-coded)

LEDs

System: LAN1, LAN2, Act., Ready

LAN: 100M/Link x 2

Physical Characteristics

Housing: Aluminum

Weight: 1.98 kg

Dimensions: 252 x 130 x 57 mm (9.92 x 5.12 x 2.24 in)

Mounting: Wall

IP Rating: IP54

Environmental Limits

Operating Temperature: -40 to 70°C (-40 to 158°F)

Storage Temperature: -40 to 85°C (-40 to 185°F)

Ambient Relative Humidity: 5 to 95% (non-condensing)

Anti-vibration: EN 50155

Anti-shock: EN 50155

Power Requirements

Input: PoE (IEEE 802.3af), PoE+ (IEEE 802.3at), or 24 VDC

Power Consumption:

- PoE: 14.4 W
- 24 VDC: 13.2 W

Standards and Certifications

Safety: UL 60950-1

EMC: EN 55022 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024

Rail Traffic: EN 50155, EN 50121-3-2, IEC 61373

Green Product: RoHS, CRoHS, WEEE

EMI: FCC Part 15 Subpart B Class A, CISPR 22:2008

Warranty

Warranty Period: 5 years (storage drive not included)

Details: See www.moxa.com/warranty

Note: These hardware specifications describe the FLI-1200 unit itself, but not its recommended accessories. In particular, the wide temperature specification does not apply to accessories such as power adapters and cables.

: Ordering Information

Available Models

FLI-1260-CT-T: Industrial auto-configuration server appliance with 2 10/100 M12 PoE/PoE+ LAN ports, -40 to 70°C operating temperature, conformal coating

FLI-1260-T: Industrial auto-configuration server appliance with 2 10/100 M12 PoE/PoE+ LAN ports, -40 to 70°C operating temperature

Package Checklist

- 1 FLI-1260 server appliance
- Wall mounting kit
- Quick installation guide (printed)
- Warranty card