IO Expander

STRATA-L801

The **STRATA-L801** is an I/O expansion module used together with the **STRATA-L800** miniPLC or other Strataon devices. It is compact and designed for industrial, building automation, and IoT applications.

It offers high flexibility in the configuration of its input and output channels. Communication is performed through an RS-485 bus with adjustable speed.

Its versatility allows operation in the following modes:

- I/O: Expansion of inputs and outputs for the miniPLC
- 4 x Locker Doors: Control of 4 locker doors
- 8 x Locker Doors: Control of 8 locker doors

Main Features

- RS-485 communication
- Configurable baud rate: 9600, 19200, and 38400
- Configuration via embedded HTTP server
- 12 VDC power supply
- Low power consumption: 80 mA typical
- Wi-Fi access point for configuration
- 8 configurable inputs with optic isolation:
  - Dry contact (NO/NC)
  - 12 VDC
  - 110/220 VAC (with isolation and conditioning circuit)
- 8 relay outputs configurable (NO/NC)
- Operates in I/O, 4 x Locker Doors, or 8 x Locker Doors modes
- Operating temperature range: 0 °C to 55 °C
- DIN rail mounting (integrated support)
- Compact and robust enclosure

Technical Specifications

WI-FI INTERFACE	IEEE 802.11 b/g/n - 2.4 Ghz band
DIGITAL INPUTS	8 configurable inputs (dry contact/12V/110VAC/220VAC)
DIGITAL OUTPUTS	8 relay outputs configurable (NO/NC)
POWER SUPPLY	12 VDC
TYPICAL CONSUMPTION	Up to 100 mA
CONFIGURATION INTERFACE	Wi-Fi + interface web
OPERATING TEMPERATURE RANGE	0 °C to 55 °C
WEIGHT	150g
ENCLOSURE DIMENSIONS	174 mm × 88 mm × 40 mm
INSTALLATION	Surface mounting or DIN rail