

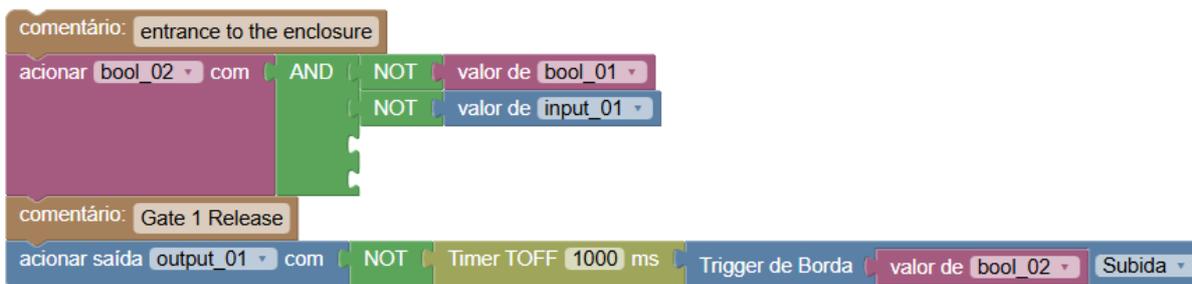
miniPLC

STRATA-L800

The **STRATA-L800** is a modular automation controller featuring expandable I/O and a fully programmable logic environment. It is compact and designed for industrial automation, building automation, and IoT applications.



The unit provides high flexibility in input/output configuration, advanced connectivity options, and a visual programming environment based on Google Blockly, fully aligned with traditional PLC concepts (AND, OR, TON/TOFF timers, comparison blocks, sequential logic, and more).



The STRATA-L800 natively integrates with multiple leading VMS platforms via HTTP/HTTPS Webhook, enabling field events to be sent directly to the VMS without the need for additional middleware.

It supports HTTP/HTTPS, Basic Authentication, and custom headers, ensuring compatibility with corporate and enterprise environments.

Key Features

- HTTP, MQTT, NTP, RS-485 communication
- Ethernet and Wi-Fi interfaces with static IP or DHCP
- Configuration via embedded HTTP server
- Secure communication with TLS support
- Automatic time synchronization via NTP
- 12 VDC power supply
- Low power consumption: typical 100 mA
- Wi-Fi Access Point mode for configuration

- I/O expansion – up to 32 inputs and 32 outputs
- 8 configurable inputs with optical isolation:
 - Dry contact (NO/NC)
 - 12 VDC
 - 110/220 VAC (with isolation and conditioning circuitry)
- 8 configurable relay outputs (NO/NC)
- I/O expansion – up to 32 inputs and 32 outputs
- Operating temperature range: 0 °C to 55 °C
- DIN-rail mounting (integrated support)
- Compact and robust enclosure

Technical Specifications

ETHERNET INTERFACE	10/100 Mbps
WIFI INTERFACE	IEEE 802.11 b/g/n, 2.4 Ghz band
MDNS PROTOCOL	mDNS (Multicast DNS)
COMMUNICATION SECURITY	TLS support
WEBHOOK	Native integration with VMS via HTTP/HTTPS
PROGRAMMING LANGUAGE	Google Blockly visual logic
PLC COMPATIBILITY	IEC-61131-3 compliant concepts
DIGITAL INPUTS	8 configurable inputs (dry contact/12 V/110–220 VAC)
DIGITAL OUTPUTS	8 relay outputs (NO/NC)
POWER SUPPLY	12 VDC
TYPICAL CURRENT CONSUMPTION	Up to 100 mA
CONFIGURATION INTERFACE	Ethernet/Wi-Fi AP + web interface
OPERATING TEMPERATURE RANGE	0 °C to 55 °C
WEIGHT	150 g
ENCLOSURE DIMENSIONS	174 mm × 88 mm × 40 mm
INSTALLATION	Surface mount or DIN-rail mounting