

LUMA Logger

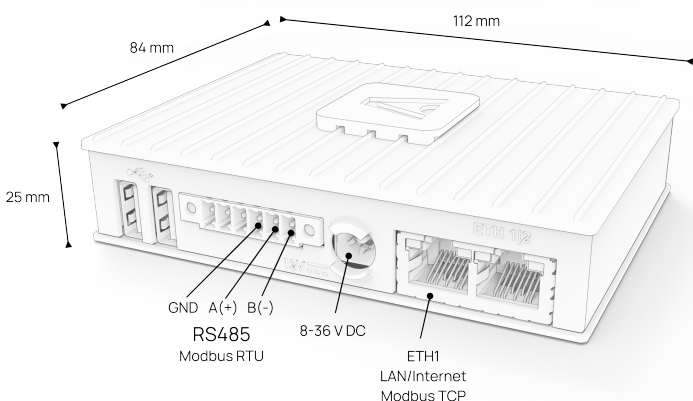
Industrial Smart IoT Logger



Design



Ports & Dimensions

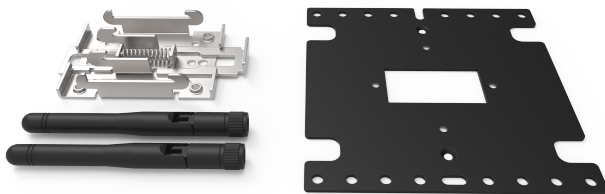


Key Features

- Supports a Large Variety of Manufactures
- Supports Inverters, Hybrid Inverters and Batteries
- Connect to Devices Either by Network or RS485
- Communicates with Several Devices at Once
- Communicates via Modbus Protocol
- Real-Time Reading Support
- Possibility to Control Devices
- Access To Time-Series Data (via Modbus Server)
- Easy Configuration with LUMA Setup App
- FOTA Updates

Included in box

- Wall Mount & DIN Mount
- WiFi Antennas
- Terminal-block connector
- Power Supply



Communications and Inverter Support		Electrical, Mechanical, and Environmental	
Communication Protocol	Modbus TCP (via ETH 1) Modbus RTU (via RS485)	Supply Voltage	Unregulated 8V to 36V
Inverter Support	See Inverter Compatibility Page	Power Consumption	2W - 7W, depending on system load and configuration
CPU, RAM, and Storage		Dimensions	112 × 84 × 25 mm
CPU	NXP i.MX8M Mini, quad-core ARM Cortex-A53, 1.8GHz	Mounting	Supports DIN-rail and wall mounting
RAM	2GB LPDDR4	Enclosure Material	Aluminum housing
Storage	16 GB eMMC	Cooling	Passive cooling, fanless design
Network		Weight	450 grams
Ethernet	ETH1 - primary 1000Mbps port ETH 2 - secondary 100Mbps port	MTTF	> 200,000 hours
WiFi	802.11ax WiFi interface	Operation Temperature	Commercial: 0° to 60° C Industrial: - 40° to 60° C
Bluetooth	Bluetooth 5.1 BLE	Relative Humidity	10% to 90% (operation) 5% to 95% (storage)
I/O and System		Warranty	5 years
USB	3x USB2.0 ports, type-A connectors	Compliance	
Serial	1x RS485 (half-duplex) / RS232 port, terminal-block 1x serial console via UART-to-USB bridge, micro-USB connector	Regulatory	CE, FCC
RTC	Real time clock operated from on-board coin-cell battery	EMC	EN 55032/5, EN 61000-6-2, EN 61000-6-3
Security	Secure boot	Safety	EN/UL/IEC 62368-1

