

LINOVISION

Industrial 4-Port RS485 to Ethernet Converter **Quick Guide** (IOT-C104)



Quick Guide

Overview

The IOT-C104 is an industrial 4-port RS485 to Ethernet converter for connecting Modbus RTU devices to IP networks. It supports Modbus RTU/TCP conversion, serial-to-MQTT/JSON data processing, and multiple protocols like TCP, UDP, and HTTP. With a rugged IP30 design, wide 5–36V DC input, -40°C to 85°C temperature range, and TLS encryption, it ensures reliable operation in harsh environments.

Package Contents



IOT-C104

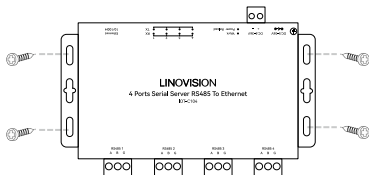


Power Adapter



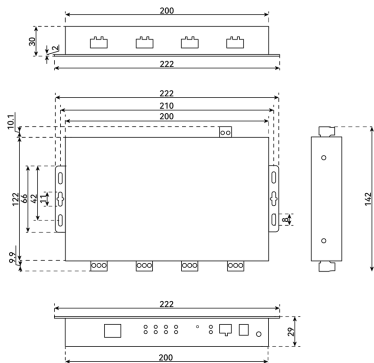
Quick Guide

Installation

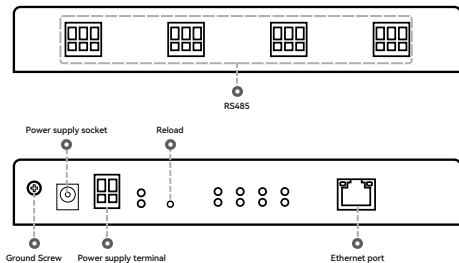


Wall mount

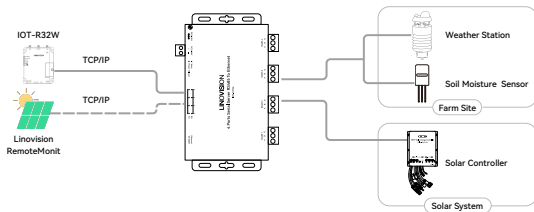
Dimension



Interface



Application Diagram



Specification

Hardware Platform	
Input Voltage	DC 5.0 ~ 36.0 V
Input Current	Mean: 76mA@12V
Dimensions	222 * 142 * 29 mm (or 8.74" * 4.8" * 1.14") (L*W*H, including terminals and mounting ears)
Installation	Panel mounting
Ground Screw	1
Operating Temperature	-40°C ~ 85°C (or -104°F ~ 185°F)
Storage Temperature	-40°C ~ 105°C (or -104°F ~ 221°F)
Operating Humidity	5%~95% RH (non-condensing)
Storage Humidity	5%~95% RH (non-condensing)
Certifications	CE/FCC/ROHS
Interface	
Ethernet Port	Ethernet Port
Serial Port	4 * RS485: A+, B-, GND
4 * RS485: A+, B-, GND	BaudRate: 600~921.6 Kbps
Data Bit	7, 8
Parity	None, Even, Odd, Mark, Space
Flow Control	RS485: XON/XOFF
RS485 Pull-Up/Down Resistor	2.2 KΩ

Software	
Network Protocols	IP, TCP, UDP, HTTP, MODBUS, ARP, ICMP, IPV4, DHCP, DNS, SNMP, Telnet, MQTT, SSL/TLS
IP Configuration	IP Configuration
DNS Resolution	Supported
DL/T 645 Protocol	Supported
MQTT Function	Supports standard MQTT platforms (e.g., Alibaba Cloud, AWS, RemoteMonit Cloud)
Edge Computing	Data collection, computation, reporting, and read/write
Maximum Data Points	Up to 300 points
SSL Encryption	TLS version selection (TLS 1.2/1.3) Supports: No certificate verification / Server certificate verification / Mutual certificate verification
Web-to-Serial	WebSocket-based communication
Configuration Methods	Configuration software, AT commands, Web UI, Network Setup Protocol
Serial Port Buffer	Dynamic caching & packet-based caching Example : 10-byte packet size: 200 packets (2KB), 1460-byte packet size: 5 packets (7.3KB)
Ethernet Port Buffer	48KB