

IOT-C101

Industrial Serial Device Server for RS232 and RS485 Modbus to Ethernet Conversion



Outstanding Features

Core Functionality

- Dual serial ports: RS232 (DB9) + RS485 (2-wire).
- Transparent serial-to-Ethernet transmission.
- Built-in Modbus RTU ↔ TCP gateway.
- Supports TCP Server/Client, UDP, WebSocket, HTTP.

Industrial-Grade Design

- Wide input: 5–36VDC, low power consumption.
- Operating temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$ ($-40^{\circ}\text{F} \sim +185^{\circ}\text{F}$).
- 2kV isolation and surge/ESD protection.
- Compact size: $82.5 \times 86 \times 25 \text{ mm}$ ($3.25 \times 3.39 \times 0.98 \text{ in}$).

Software & Protocols

- Hardware flow control (RTS/CTS).
- Virtual COM and multi-client access (up to 8).
- Easy configuration via Web UI, or serial command.

Applications & Benefits

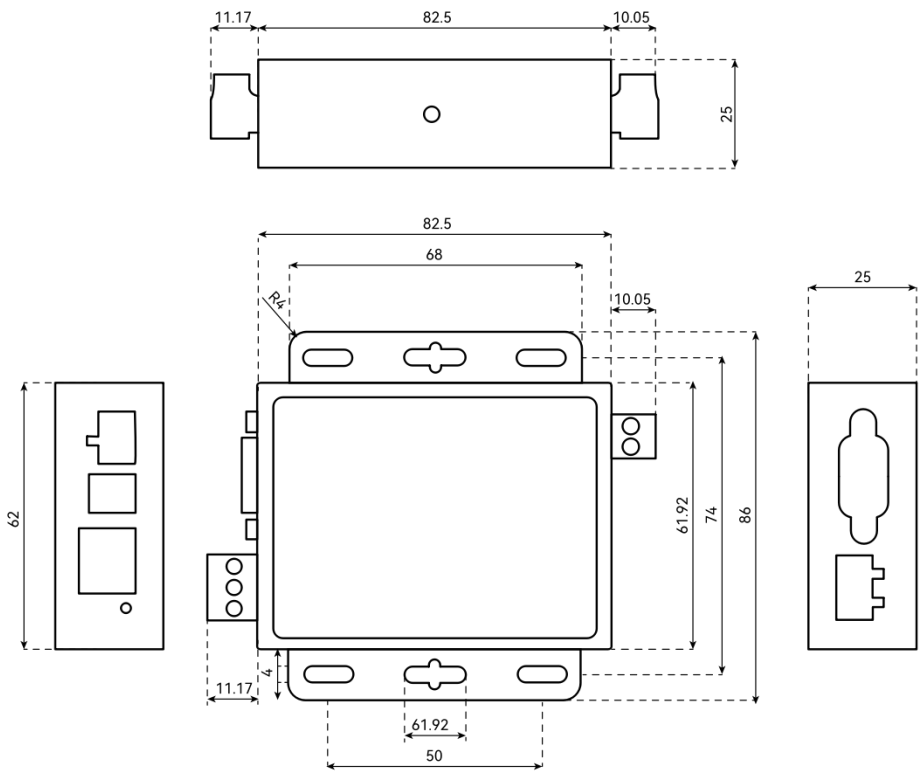
- Industrial automation and remote monitoring.
- Simple replacement for legacy serial modem connections.
- Supports RemoteMonit (Linovision Cloud Service) management.

Hardware Specifications

System Information	
Processor	Cortex-M4
Basic Frequency	120MHz
Flash	512K byte
Ethernet	
Port Number	1
Interface Standard	8 pin RJ45
Rate	10/100 Mbps auto-detection
Receive Buffer	Max 16k bytes buffer
Network Protocol	IP, TCP, UDP, DHCP, DNS, HTTP, ARP, ICMP, Web socket, HTTPD Client
Protection	2KV electromagnetism isolation shell insulation blocking
Serial	
Ports	2-ports
Interface	RS-232*1, 9-pin D-sub RS-485*1, 2 wire (A+, B-)
Baud Rate	RS-232: 600 bps ~ 256K bps RS-485: 600 bps ~ 1024K bps
Data Bits	5, 6, 7, 8
Stop Bit	1, 1.5, 2
Check Bit	None, Even, Odd, Space, Mark
Flow Control	Hardware: RTS/CTS
Buffer	Send and receive 2k bytes respectively
Protection	RS-485: 2KV ESD, lightning protection
Resistor	RS-485 Pull-up and Pull-Down: 2.2 K Ω
Basic Parameter	
Dimensions (L*W*H)	82.5 * 86 * 25 mm (or 3.25 * 3.39 * 0.98 in)
Operating Temp.	-40 ~ 85°C (or -40°F ~ +185°F)
Storage Temp.	-40 ~ 85°C (or -40°F ~ +185°F), 5 ~ 95% RH
Power	
Input	DC 5 ~ 36V adapter or 5.08-2 terminal
Working Current	90mA @ 5V <50mA @ 12V
Consumption	<1W

Accessories	
Power Adapter	5V1A power supply
DB9 cable	Female to female serial cable
More	
Certificate	CE, FCC, ROHS
MTBF	100k hours

Dimension (mm)



Package Contents



IOT-C101



Rs232 Cable



Power Adapter



User Manual