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IOT-C101

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



Outstanding Features

- **RS232&RS485 TO ETHERNET:** Integrate your existing RS232 and RS485 devices with Ethernet for remote monitoring and control, overcoming distance limitations
- **MODBUS GATEWAY:** Modbus RTU/TCP conversion, allowing Modbus signals to be transparently transmitted between different devices and networks. Supports multi-host polling for up to 16 hosts
- **FREE CLOUD SERVICE:** Standard cloud service is free for up to 30 managed devices via Linovision AIoT RemoteMonit platform. Additional devices, increased storage capacity, or customized functionalities can be negotiated upon request.
- **POWERFUL PROCESSOR:** Upgraded to Cortex-M7 processor, with the speed of 400MHz providing more efficient and reliable performance
- **INDUSTRIAL-GRADE DESIGN:** Wall and rail mountable, IP30 protection, wide operating temperature from -40°F to 185°F

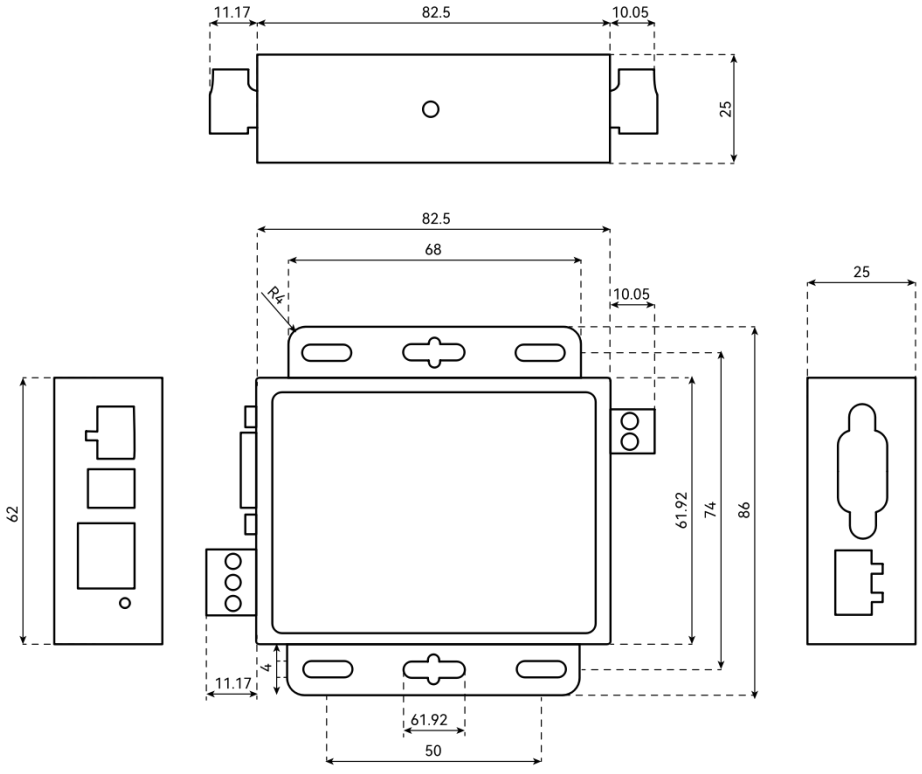
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Hardware Specifications

System Information	
Processor	ST Solution, Cortex-M7
Frequency	400MHz
Power	
Power Supply	DC 5.0 ~ 36.0 V, 67mA @12V
Ethernet	
Port Number	1 x RJ45, 10 /100 Mbps, auto MDI/MDX, 1.5KV electromagnetic isolation
Serial Port	
Port Number	1 x RS232, DB9-male, 1 x RS485, 3-pin terminal block, can work simultaneously.
Baud rate	600 bps~230.4Kbps
Data Bits	7, 8
Stop Bit(s)	1, 2
Parity Bit	None, Even, Odd, Mark, Space
Flow Control	Hardware: RTS/CTS (Only RS232) Software: XON/XOFF
Physical Character	
Dimensions (L*W*H)	82.5 * 86 * 25 mm (or 3.25 * 3.39 * 0.98 in)
Operating Temperature	-40 ~ 85℃ (-40 ~ 185℉)
Storage Temperature	-40 ~ 105℃ (-40 ~ 221℉)
Operating Humility	5% ~ 95% (Non-condensing)
Storage Humility	5% ~ 95% (Non-condensing)
Basic Features	
Network protocol	IP, TCP, UDP, HTTP, MQTT, SSL/TLS, ARP, ICMP, DHCP, DNS
IP Assignment	Static/DHCP
DNS Service	√
Built-in Webpage	√
Config Method	Built-in Webpage, Config Software, AT Command
Work Mode	TCP Server/TCP client/UDP Server/UDP Client/HTTPD client
Edge Computing	√, up to 128 points
MQTT Gateway	Standard MQTT protocol

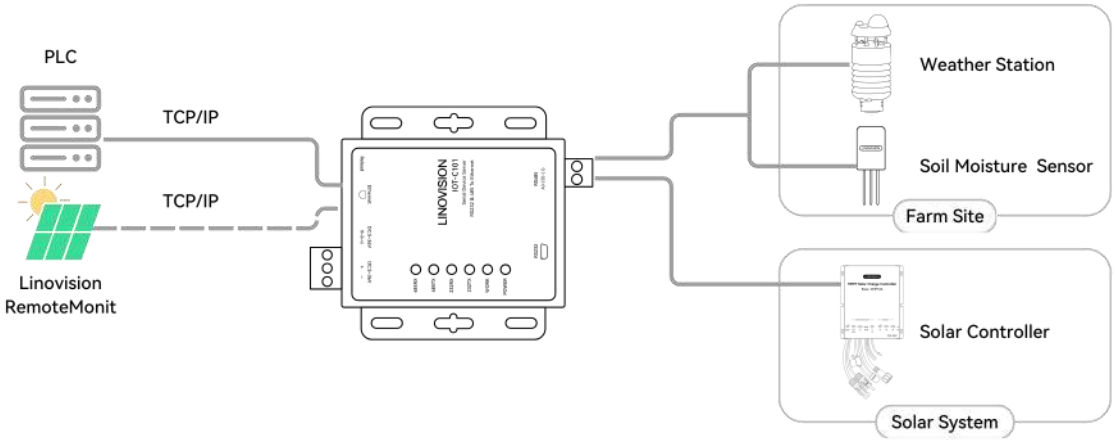
Encryption	MQTT+SSL, TCPC+SSL
Modbus Gateway	Modbus RTU/TCP protocol conversion, Multi-host polling: up to 16 hosts
WebSocket	√
RF2217 Similar	√
Registration Packet	√
Heartbeat Packet	√
Serial Packets Cache	Dynamic packet cache. For example: When the packet length is 10 bytes, the serial port can cache 371 packets(3.71KB). When the packet length is 1460 bytes, the serial port can cache 10 packets(14.6KB).
Ethernet Packets Cache	48KBytes
More	
Certificate	CE, FCC, ROHS
MTBF	100k hours

Dimension (mm)

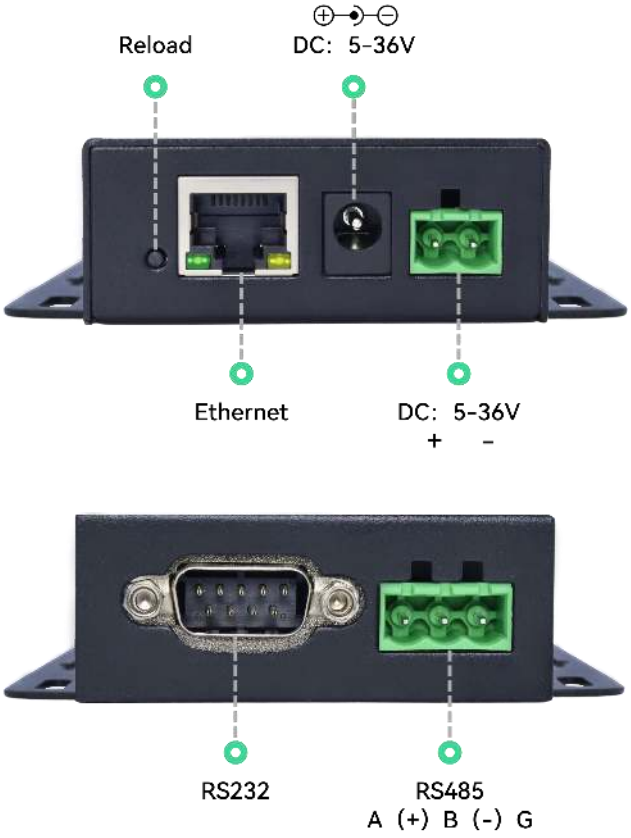


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Connection Diagram



Interface



**Disclaimer: Design and specifications are subject to changes without prior notice.*

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Package Contents



IOT-C101



Rs232 Cable



Power Adapter



User Manual

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