

## IOT-C101

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



## Outstanding Features

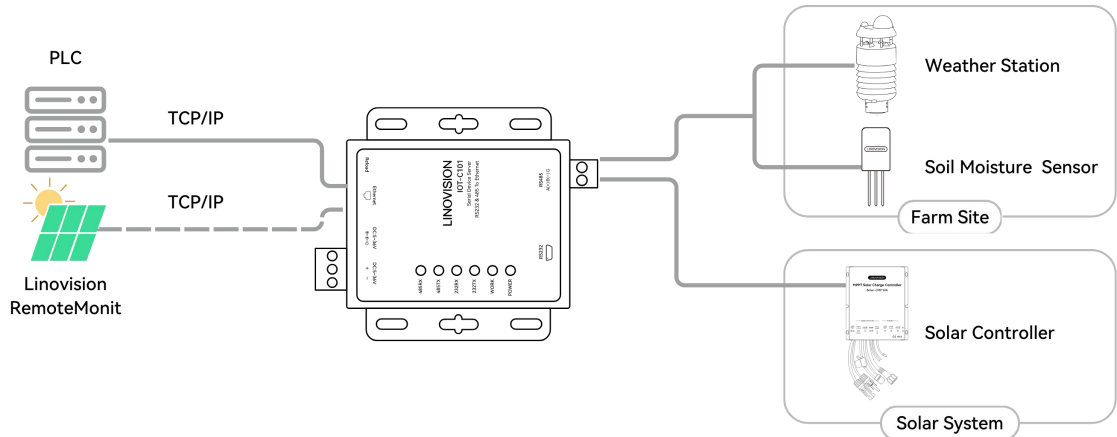
- **RS232&RS485 TO ETHERNET:** Integrate your existing RS232 and RS485 devices with Ethernet for remote monitoring and control, overcoming distance limitations
- **MODBUS GATEWAY:** Modbus RTU/TCP conversion, allowing Modbus signals to be transparently transmitted between different devices and networks. 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  $-40^{\circ}\text{F}$  to  $185^{\circ}\text{F}$

## Hardware Specifications

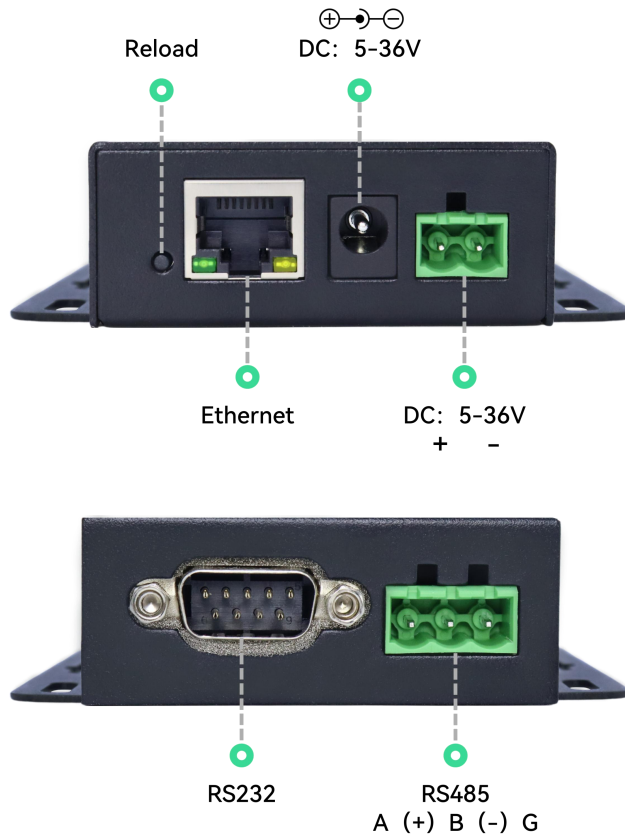
<b>System Information</b>	
Processor	ST Solution, Cortex-M7
Frequency	400MHz
<b>Power</b>	
Power Supply	DC 5.0 ~ 36.0 V, 67mA @12V
<b>Ethernet</b>	
Port Number	1 x RJ45, 10 /100 Mbps, auto MDI/MDX, 1.5KV electromagnetic isolation
<b>Serial Port</b>	
Port Number	1 x RS232, DB9--male, 1 x RS485, 3-pin 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
<b>Physical Character</b>	
Dimensions (L*W*H)	82.5 * 86 * 25 mm (or 3.25 * 3.39 * 0.98 in)
Operating Temperature	-40 ~ 85°C (-40 ~ 185°F)
Storage Temperature	-40 ~ 105°C (-40 ~ 221°F)
Operating Humidity	5% ~ 95% (Non-condensing)
Storage Humidity	5% ~ 95% (Non-condensing)
<b>Basic Features</b>	
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



## Connection Diagram



## Interface



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

## Package Contents



IOT-C101



Rs232 Cable



Power Adapter



User Manual

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