

LINOVISION

Industrial Serial Device Server for RS232 and RS485 Modbus to Ethernet Conversion **Quick Guide** (IOT-C101)



Quick Guide

Overview

The IOT-C101 is a compact Serial-to-Ethernet converter with RS232 and RS485 ports. It supports transparent data transmission, Modbus RTU ↔ TCP, and multiple protocols (TCP/UDP/HTTP/WebSocket). With wide power input (5–36VDC), $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$ ($-40^{\circ}\text{F} \sim +185^{\circ}\text{F}$) operation, and 2kV isolation, it delivers reliable performance for industrial automation and remote monitoring.

Package Contents



IOT-C101



Rs232 Cable

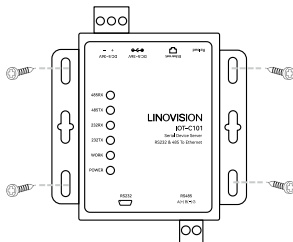


Power Adapter



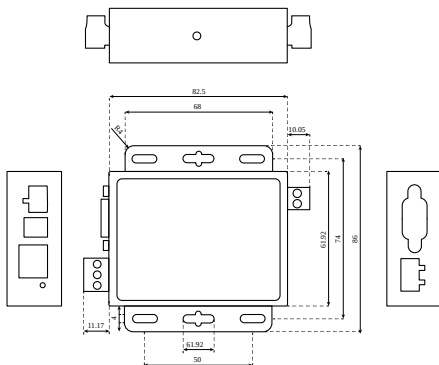
Quick Guide

Installation

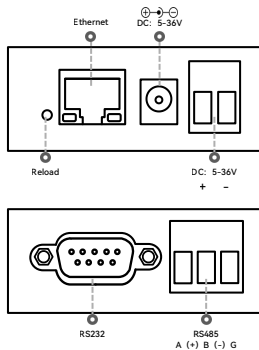


Wall mount

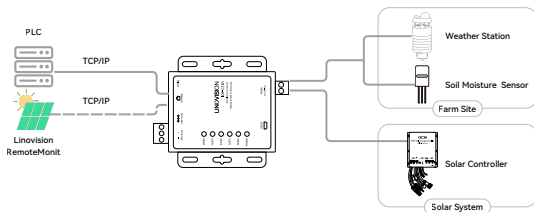
Dimension



Interface



Application Diagram



Specification

System Information	
Processor	Cortex-M4
Basic Frequency	120MHz
Flash	512K byte
Ethernet	
Port Number	1
Interface Standard	8 pin RJ45
Rate	10/100 Mbpsauto-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