

SenseLive

X5200

2 port serial device modbus RUT to Modbus TCP

RS485 to TCP/IP

SenseLive Technologies

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Modbus RTU to Modbus TCP IP

Product Overview

The X5200 is a compact, industrial RS485 data collector & IoT gateway with 2 RS485 ports, 1 Ethernet port, and 9–24V input. It supports Modbus TCP to RTU, MQTT, JSON, and HTTP for cloud integration and remote data collection. Designed for high-temperature resistance and fire safety, it ensures stable industrial performance.

Key Features

- Compact and rugged alloy flame-retardant plastic enclosure.
- Supports 4 independent RS485 interfaces with configurable baud rates.
- Ethernet (RJ45) with auto cross-cable detection.
- Wide voltage input (9–24V DC), low power consumption.
- Protocols: Modbus TCP/RTU, MQTT, JSON, HTTP, RealCom.
- Supports TCP server (30 connections) and multi-client mode.
- Advanced software: heartbeat packets, alarms, scaling, data format conversion.
- Industrial-grade EMC protection, high-temperature operation (-40~85°C).
- DIN-rail mount for easy installation.



Technical Specification

Serial Interface:	485: 3.5mm wiring terminal		
Serial Qty.:	4, can work independently, separate configuration baud rate		
Power Supply:	3.5mm wiring terminal		
Reset:	One-button reset to factory Settings		
Shell material:	alloy flame retardant plastic		
Size:	L x W x H =8.7cm×3.6cm×5.9cm		
Installation mode:	35mm guide rail installation		
Communicate Interface			
Ethernet:	RJ45 port, 10M/100M, support automatic cross-cable detection (MDI/MDIX)		
Serial	RS485×4: 485A, 485B, GND		
Serial Parameters			
Baud rate:	300~921.6Kbps, Customizable	Parity:	None, odd check, even check, mark, space
Data bits:	5~9	Flow control:	None, soft flow
Software			
protocol:	ETHERNET, IP, TCP, UDP, HTTP, ARP, ICMP, DHCP, DNS		
Working mode:	TCP server, TCP client (and TCP server coexist), UDP, UDP multicast, and UDP dynamic mode		
Transfer protocol:	Modbus TCP, MQTT, JSON, RealCom protocol, HTTP		
Setting method :	VirCom, WEB browser, device management library		
Modbus Gateway:	Supports multi-host mode, storage mode, and SLMB mode		
JSON gateway:	The device supports Modbus RTU, Modbus TCP, and DLT-645. The server supports HTTP POST/GET, MQTT, passthrough and custom protocols. Translation and scaling, offline alarm, out-of-limit alarm, change upload, data format conversion;		
IP address and address resolution:	static or DHCP, DNS		
Net communication method:	TCP/IP direct communicate, Virtual serial port		
Number of connections:	TCP server: 30; TCP client: indicates seven destination IP addresses		
Configuration:	VirCOM tool, WEB browser (can customize the webpage), device management function library, serial port AT instruction configuration, device cloud management .		
Other software functions:	Custom registration packet heartbeat packet, connection send ID, NTP, built-in TCP heartbeat		

Hardware	
Input voltage:	9 ~ 24V DC
Input current:	30mA@12V DC
EMC Electromagnetic compatibility:	electrostatic (GB/T17626.6-2018) : contact 8KV, non-contact 15KV; Fast group pulse (GB/T17626.4-2018) : power \pm 4KV, signal \pm 2KV; Surge (GB/T 17626.5-2008) : power supply \pm 4KV, signal \pm 2KV.
Environment	
Running temp:	-40~85°C
Storage temp:	-45~165°C
Humidity:	5~95%RH

