

# SenseLive

## X8300

Iot gateway

RS232/485 to RJ45/WIFI/4G

### SenseLive Technologies

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**IOT Gateway**

**Product Overview**

The X8300 is an industrial IoT gateway with Ethernet/WiFi/4G/5G connectivity, dual RS232/485 ports, and support for Modbus, MQTT, BACnet, JSON. It offers transparent transmission, routing, and multi-host functions, with wide voltage, rugged design, and -40~85 °C operation for reliable device-to-cloud applications.

**Key Features**

- Supports Ethernet/WiFi/4G (CAT1/Full Netcom)/5G RedCap multi-network access.
- Server: TCP Server/Client, UDP, UDP multicast, up to 30 TCP Server and 7 TCP Client connections.
- Serial: 1200-460800 baud, 5-8 data bits, various parity, 1-2 stop bits, independent dual ports.
- RS232/485/422 to TCP/IP; supports port/IP mapping, virtual serial port, and routing mode.
- Transparent transmission; supports Modbus RTU-TCP, MQTT, BACnet (-B model), RS485/645 to JSON.
- Device config: Web browser, AT command, Windows tool (ZLVircom), DLL dev library.
- Industrial design: 9-24V wide voltage, terminal block power, shell ground wire, link/act/4G/WiFi indicators.
- Advanced: Multi-host support, HTTP POST/GET, NTP time sync, custom heartbeat & registration packets.



**Technical Specifications**

Parameter	SL8305
Interface:	LAN:RJ45、485: connection terminal 、232: DB9
Power supply	Terminal method
Size:	length×width×height=150mm×105mm×41mm
Antenna:	WIFI antenna*1, 4G antenna*1. Interface: 50Ω/SMA male -5G/-R5G: 5G antenna*2. Interface: 50Ω/SMA male
Baud rate:	X8300/-4G/-5G:300~921600bps
Data bits:	5~8 bits
Verification:	None, odd parity, even parity, mark, space

protocol	ETHERNET、IP、TCP、UDP、HTTP、ARP、ICMP、DHCP、DNS
Configuration method:	SLVirCOM、WEB
Transformation Agreement:	Modbus TCP、MQTT、JSON、HTTP、BACnet(X8300-B
Modbus gateway	Support multi-host mode, storage mode, pre-configured table (ZLMB) mode
Communication method:	TCP/IP direct communication, virtual serial port mode
power supply:	9~24V DC, 200ma@12V
Operating temperature:	-40~85°C
storage temperature :	-45~165°C
Humidity range:	5~95% relative humidity



Power Connector



Serial Port and SIM Slot



DINrail