

SenseLive X7777

Modbus

Gateway

RS232/485/ to

RJ45/WiFi/4G

Serial server /Modbus gateway Rs232/485 to RJ45/WiFi/4G

Product Overview

The X7777 Series is a compact, multi-interface IoT gateway featuring 4G (regional models), WiFi, Ethernet, and RS232/RS485. It supports protocol conversion including TCP-Serial, Modbus RTU-TCP, MQTT, and RS485-to-JSON. With 9-24V wide-voltage input, metal housing, rich indicators, and advanced features such as multi-host access, HTTP upload, NTP, and customizable heartbeat, it enables reliable data acquisition and cloud connectivity for industrial and IoT applications.

Key Features

- Multi-network support: 4G/WiFi/Ethernet + RS232/RS485
- TCP-Serial, Modbus RTU-TCP, MQTT, JSON conversion
Compact metal design with rich status indicators
- Supports TCP/UDP modes, up to 30 TCP connections
- Cloud remote config, virtual COM, HTTP upload, NTP time sync
- Multi-host access and customizable heartbeat/registration packets



Technical Specifications

Parameter	X7777
Interfaces	LAN: RJ45; RS485: terminal block; RS232: DB9
Power Input	Round-hole connector (optional terminal type)
Size	9.4 cm × 6.5 cm × 2.5 cm
Antenna	WiFi ×1; 4G ×1 (50Ω SMA male)
SIM Card	3V / 1.8V, big card (adapter supported)

CPU RAM	64 MB
CPU Flash	580 MHz
Baud Rate	300–921600 bp
Data Bits :	7–8 bits
Check Bits	None, Odd, Even, Mark, Space
Supported Protocols	Ethernet, IP, TCP, UDP, HTTP, ARP, ICMP, DHCP, DNS
Configuration Tools	Modbus TCP, MQTT, JSON, HTTP
Modbus Gateway Modes	Multi-host, Storage mode, Pre-config table (MB)
Communication Modes	TCP/IP direct, virtual COM
Working Modes	TCP Server, TCP Client (simultaneous), UDP, UDP multicast
Power Supply Range	9-24 V DC
Operating Temperature	-40 ~ 85 °C
Storage Temperature	-45 ~ 165 °C
Humidity Range	5 ~ 95% relative



Top View

interface instructions

Indicator	Status	Meaning
Active	Green (flashing)	Network → Serial data (flash lasts 1s longer for visibility).
Active	Green + Blue	Serial → Network data; Blue shows device responding.
TCP Link	Green (steady)	Module working normally.
TCP Link	Blue (steady)	TCP/UDP connection established.
SYS/4G	Green (blinking)	WiFi working normally.
SYS/4G	Blue (steady)	4G dialing in progress.
SYS/4G	Blue (blinking)	4G connected successfully.