

# SenseLive

# X3050

# Modbus

# Gateway

## Serial server /Modbus gateway Rs485 to TCP/IP

### Product Overview

The X3050 is a high-performance industrial RS485 data collector and IoT gateway with Ethernet, supporting Modbus, MQTT, and RS485-to-JSON conversion. It features a wide 9–24V power input, rail mounting, and flame-retardant or metal housing. X3050 model offers compact design, high stability, and efficient data transmission for industrial automation, with an RJ45 Ethernet interface featuring 2KV surge protection for enhanced reliability

### Key Features

- Rail-mounted design: Ideal for cabinet installation in industrial environments.
- Compact size: Smaller width than standard serial servers, saving space.
- Wide voltage input: 9–24V terminal power with reverse connection and supply protection.
- RS485 interface: Supports up to 32 slave devices, baud rate 300–921600bps.
- Rich indicators: LINK and TCP status lights, plus data flow indicators for serial-to-network and network-to-serial communication.



### Technical Specifications

Parameter	X3050
Interface	485: Terminal block
Power supply	Terminal block method
Ethernet	RJ45 interface, 2KV-level surge protection
Serial Port:	RS485×1 : RXD, TXD, GND
Protocol :	ETHERNET、IP、TCP、UDP、HTTP、ARP、ICMP、DHCP、DNS
Configuration :	Senselive_config_2.0 tool, WEB browser (can customize the web page), device management function library, serial port AT command configuration, device cloud management

Working mode	TCP server, TCP client, UDP, Real Com Driver, Modbus TCP, Telnet
Operation temperature :	-40~85°C
Storage temperature :	-45~100°C
Humidity range :	5~95% humidity accordingly
Size	L x W x H =8.9cm×3.7cm×5.9cm

### interface instructions

Power	Power indicator light
Link	Green when network cable is connected; blue (with faint green) when TCP/UDP connection is established.
Active	<ul style="list-style-type: none"> <li>• Green when network sends data to serial port.</li> <li>• Blue/green when serial port sends data to network, indicating device response and proper baud rate/connection.</li> </ul>