

ZY-S24G

Din-Rail 4G CAT1 Data Transfer Unit



Features

- Supports custom Modbus and DLT-645 to JSON conversion for flexible data mapping
- Integrates with various cloud platforms via MQTT+JSON and HTTP+JSON modes
- Comprehensive remote management for configuration changes and firmware OTA upgrades
- Built-in offline data storage to ensure information integrity during network outages
- Advanced MQTT gateway functionality with SSL encryption for secure data transmission
- Enhanced edge computing for threshold alarms, data scaling, and event-triggered uploads

Specifications

■ Mechanical

RS-485	3.5mm pitch terminal block
Power Input	3.5mm pitch terminal block
Dimensions	37.6L*83.6W*89.2Hmm

■ Serial Port Parameters

Pinout	485A, 485B, GND
Parity	None, Odd, Even
Baud Rate	300~460800bps
Stop Bits	1~2
Data Bits	5~8
Flow Control	NONE

Specifications

■ Wireless Parameters

Antenna	Magnetic base antenna
Transmission Rate	LTE : Max 10 Mbps (DL) /Max 5 Mbps (UL) GPRS : 85.6Kbps (DL) /Max 85.6 Mbps (UL)

■ Communication Parameters

Wireless Mode	FDD LTE/TDD LTE/GSM
Security	MQTT SSL encrypted transmission
Operating Mode	TCP Client, UDP
Conversion Protocol	Modbus TCP 、MQTT 、JSON
Modbus Gateway	Modbus TCP to RTU simplified conversion, ZLMB mode
User Configuration	ZLVirCOM tool, serial AT commands, device cloud
Communication Types	Socket
Network Protocols	TCP/UDP/MQTT/HTTP/SSL

■ Hardware

Power Supply	9~24V
Power Consumption	≤0.8W

■ Operating Environment

Operating Temperature	-40~85°C
Storage Temperature	-45~100°C
Operating Humidity	5%~95% (Non-condensing)
Storage Humidity	5%~95% (Non-condensing)