

EX9212LoRa-S(WAN) Auto polling Modbus RTU device Data To LoRaWAN Server

EX9212LoRa-S(WAN):

Modbus RS-232/422/485 to
LoRaWAN



Features

- LoRa gateways provide the way of connecting IoT remote units to a Local Area Network (LAN) or Host Computer from long distance. The data transmission via LoRa gateways mainly intended for the ISM (Industrial, Scientific, Medical) frequency bands at 862-932 MHz.
- The gateway has been built with the module integrated many RF functions and PA to make the maximum output power up to +20dBm.
- LoRa Interface Gateways are packaged in a plastic case well suited for industrial environments. LoRa Interface devices have different models for converting to Serial ports (RS-232, RS-422/485) and DI/DO, Ethernet, USB controller. Configuration is easy to set up via web page and utility tool.

Specification :

CPU	Xtensa® 32-bit LX6 microprocessors 160M Hz
RAM	400K Bytes SRAM ; ROM : 380K Bytes Flash ROM
Support	LoRaWAN 1.0.2

LoRa	Semtech SX1262
-Freq.	ISM band 863~928MHz
-Receiver Sensitivity	-139 dBm
-Transmit Output Power	: 22dBm
-Deep Sleep Current	10uA
-TX current	< 140 mA@20 dbm , RX current < 10 mA
-Antenna :	SMA Type , 2 dBi , changeable
-Distance :	Up To 5000 Meters in free space
-Data Rate :	0.244 ~ 18.2K bps (LoRa)
-Application mode	Star

Serial Port

No.of Port :	RS-232/422/485 * 1 port (auto Detect)
RS-232 :	Rx , Tx , GND (DB9 female)
RS-422 :	Tx+ , Tx- , Rx+ , Rx- (Surge Protect)
RS-485 :	Data+ , Data- (Surge Protect)
Built –in RS-422/RS-485	Terminal Resistor
Speed :	9600 bps~115.2K bps
Parity :	None , Odd , Even
Data Bit :	7, 8 / Stop Bit : 1 , 2

Windows Utility

Power :	DC 9 ~ 24V / 150ma @ 9V , 60ma @ 24V
Led Lamp :	SYS (green) , Paired (red) , Rx(red) , Tx(green)
Environment :	Operating Temperature:-10°C ~ 70°C , Storage Temperature:-20°C ~ 80°C
Dimensions :	100 * 90 * 25 mm (W * D * H)
Weight :	150 gm (not include power)

Order Information:

Optional : Din-Rail mounting kits

Power supply(Linear/ Switcing)

Accessories : CD(Utility/ Exbrowser ; IP Search)

Relative products: EX9212LoRa-E; EX9212LoRa-U;

EX9212LoRa-DIO;

EX9133C-2/PoE; EX9133C-RS232/PoE;

EX9133C-RS485/PoE;EX9133C-2-MTCP

EX9132CST/DIO