

USB to LoRa EX9212LoRa-U(Temperature/ Humidity optioal) (862~932MHz & 20dBm)

EXPERT
DAQ

EX-9212LoRa-U



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	32-bit MCU, 40MHz
RAM	16KB SRAM
ROM	128 K Bytes Flash ROM
LoRa	Semtech SX1272
Freq. :	ISM band 862~936MHz
Receiver Sensitivity :	-137 dBm
Transmit Output Power :	20 dBm
Sleep Current :	3uA (at power down state)
TX current	< 140 mA@20 dbm , RX current < 10 mA
Security processor	(128/192/256 bits AES)
Packet engine up to 256 bytes with CRC	
Antenna :	SMA Type , 2 dBi , changeable
Distance :	Up To 5000 Meters in free space
Data Rate :	0.244 ~ 18.2K bps (LoRa) / 300 K bps (FSK)
Application mode :	Star

USB Port

No.of Port :	USB x 1 port, Connector : USB type B
Chipset :	Silicon Laboratories CP2102
Compliant :	US1.0 1.1, 2.0
Baud Rates:	Full speed 12 M bps
Driver Support :	Windows-98/ 2000/ XP/ 2003/ Vista /Win 7 /Win-10 / Mac Osx / Os9 / Linux2.4 / 2.6
Provide :	USB driver
Setup Tool :	Windows Utility
Power :	DC 5V / 150ma @ 5V
Led Lamp :	SYS (red) , Pairing (green) , Rx(red) Tx(green)
Environment :	Operating Temperature:-10°C ~ 75°C Storage Temperature:-20°C ~ 85°C
Dimensions :	100 * 90 * 25 mm (W * D * H)
Weight :	150 gm (not include power)

Order Information:

Optional : Temperature/Humidity
Din-Rail mounting kits
Power supply(Linear/ Switcing)
Accessories : CD(Utility/ Exbrowser ; IP Search)
Relative products: EX9212LoRa-E; EX9212LoRa-S;
EX9212LoRa-DIO;
EX133C-2/PoE; EX9133C-RS232/PoE;
EX9133C-RS485/PoE;EX9133C-2-MTCC
EX9232CST/DIO