



SEW832-2 Modbus DIO to LTE MQTT

Features

- Built-in MediaTek smart 7688
- Linux OpenWrt OS
- Wide Range Input Power (DC 9 ~ 32V)
- Edge Computer with Multiple I/O Interfaces
- Low Cost Solution or 4G IoT
- Ethernet + WiFi + 4G + Serial + DIO
- Easy MQTT settings by web Browser configuration



System

- CPU MT7688AN MIPS CPU , 580 MHz
- RAM 128M Bytes DDR2 RAM
- ROM 32M Bytes Flash ROM
- OS OpenWrt Linux OS

Connectivity

- Ethernet: 10 /100 M bps (Auto Detecting) Built-in 1.5KV Magnetic Isolation
- WiFi : 2.4G WiFi IEEE 802.11 b / g / n Support AP / Station
- 4G LTE / NB-IoT Mini-PCle : USB 2.0 for 4G / NB-IoT Nano SIM * 1

Interface

- USB2.0 (on PCB)
- I2C Interface * 1 (For RTC)
- SD Card Interface : micro SD card (For storage)

Serial Port

- Port 1 : RS-232/422/485 * 1
 - Port 2 : RS-422/485 * 1
- Speed : 300 bps ~ 230.4 K bps
Parity : None, Odd, Even, Mark, Space
Data Bit : 5, 6, 7, 8 ; Stop Bit : 1, 2
RS-232 Pins : Rx, Tx, GND
RS-422 : Rx+, Rx-, Tx+, Tx- (Surge Protect)
RS-485 : Data+ , Data- (Surge Protect)
15KV ESD for all signals
Console port : UART – RX+TX+GND

Others

- RTC : Real Time Clock * 1
(Battery Backup)
- Buzzer * 1
- Reset Button * 1
- 4G LTE Reset GPIO * 1

Digital Input / Digital Output

- Digital Input * 2 Pins (Active High / Active Low Selectable)
Dry contact : Logic level 0 : close to GND ,
Logic level 1 : open
Wet contact : Logic level 0 : 0 ~ 3 V,
Logic level 1 : 5 ~ 12 V
- Digital Output * 2 Pins (Active High / Active Low Selectable)
120VAC @2A, 240VAC @1A, 24VDC @3A

Mechanical & Environment

Operating Temperature : - 20 °C ~ 70 °C
Storage Temperature : - 25 °C ~ 80 °C
Dimensions : 180 * 120 * 35 mm (W * D * H)
Weight : 950 gm
RoHS : Compliant with RoHS

Power

DC 9 ~ 32V, 1000mA 500mA@12V
(Support DC Jack & Terminal Input)

LED

SYS , WiFi, 4G
LAN-ACK, LINK , Serial 0 RX + TX
Serial 1 RX+TX, DO * 2 + DI * 2

Warranty

Warranty period : 1 year

Order Information

SEW832-2 LTE MQTT : 4G Model
SEW832-2 : Without 4G

0975-365-352 

jerrypeng@maxlong.com.tw 

