

SLDIO201 Modbus LoRa Digital I/O Controller

Specification

- **Digital I/O**

- Digital Input * 2 3000VDC Isolation Protect (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 : 10 ~ 30 V
- Digital Output * 2
Relay (Active High /Active Low Selectable)
120V AC@10A , 240V AC@7A , 24V DC@10A
- Setup Tool : Windows Utility
- Power : DC 9 ~ 24V / 150ma @ 9V , 60ma @ 24V
- Led Lamp : SYS (red) , Pairing (green) , Rx(red) , Tx(green)
- Environment: Operating Temperature:-10°C~70°C
Storage Temperature:-20°C~85°C
- Dimensions : 160 * 90 * 25 mm (W * D * H)
- Weight : 350 gm (not include power)

- LoRa Digital I/O Controller
- CPU : 32 bits MCU ,40 MHz , 16KB SRAM, 128KB Flash ROM
- Support Modbus Protocol
- **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