

LoRaWAN to Analog Input + Digital Output

NT-201-AI8-2DO-WAN



Features

- Auto polling Analog Input Data to LoRaWAN Server
- Windows Configuration Utility
- Support LoRaWAN 1.0.2
- Support Modbus RTU protocol
- 8 Channels Analog Inputs +2 Channels Digital outputs
- High-gain Directional Antenna (9 dBi) (optional)

System

- CPU 32-bits MCU, 160 MHz
- RAM 400K Bytes SRAM
- ROM 380K Bytes Flash ROM

Connectivity

- LoRa : Semtech SX1262

Frequency Bands	US915, AU915, AS923, KR920, EU868, IN865
Sensitivity	-124dBm@125K/SF7 -137dBm@125K/SF12
Distance	Up to 1 KM in free space (2 dBi) 3 ~ 4 KM (9 dBi directional antenna)
Data Rate	0.244 ~ 18.2K bps (LoRa)
TX Power	Max. 22 dBm
Tx Current	< 140 mA@20 dBm
Rx Current	< 10 mA
DeepSleep	10 uA
Antenna Type	SMA, 2dBi, changeable
Topology Mode	Star

• Analog Input

Input Channel	8
Input Range	4 channels for 4 ~ 20 mA / 0V ~ 10V 4 channels for 0V ~ 10V
Resolution	16 bits (TI chipset)
Samplerate	3 samples per second

• Digital Output

Output Port	2
Relay (Active High/Low Selectable)	
120V AC	0.5A
240V AC	0.5A
24V DC	1A

Mechanical & Environment

Operating Temperature:	-10 °C ~ 70 °C
Storage Temperature:	-20 °C ~ 80 °C
Dimensions:	100mm x 90mm x 25mm,
Weight:	150 gm (Not include power)

Power

DC-Jack 9 ~ 24V, 150 mA@ 9V, 60 mA@24V

LED

PWR (Green), Rx (Red), Tx (Green)

Warranty

Warranty period: 1 year

Order Information

LR-201-AI8-2DO-WAN