LT Series LoRaWAN I/O Controller

LT22222-L

OVERVIEW:

The Dragino LT series I/O Modules are Long Range LoRaWAN I/O Controller. It contains different I/O Interfaces such as: analog current Input, analog voltage input, relay output, digital input and digital output etc. The LT I/O Modules are designed to simplify the installation of I/O monitoring.

The LT I/O Controllers allows the user to send data and reach extremely long ranges. It provides ultra-long range spread spectrum communication and high interference immunity whilst minimizing current consumption. It targets professional wireless sensor network applications such as irrigation systems, smart metering, smart cities, smartphone detection, building automation, and so on.

The LT I/O Controllers is aiming to provide an easy and low cost installation by using LoRa wireless technology.

The use environment includes:
1) If user's area has LoRaWAN service coverage, they can just install the I/O controller and configure it to connect the LoRaWAN provider via wireless.

2) User can set up a LoRaWAN gateway locally and configure the controller to connect to the gateway via wireless.

Features:

- STM32L072xxxx MCU
- SX1276/78 LoRa Wireless Chip
- LoRaWAN Class A & Class C protocol
- AT Commands to change parameters
- Optional Customized LoRa Protocol
- Firmware upgradable via program port
- Frequency Bands: CN470/EU433/KR920/US915/EU868/ AS923/AU915/RU864/IN865/MA869

Applications:

- Smart Factory
- Smart Cities
- Smart Metering
- Smart Agriculture
- Smart Buildings & Home Automation
- Logistics and Supply Chain Management

Interfaces:

- Power Input 7~ 24V DC.
- 2 x 0~30V Analog Input (res:0.01v)
- 2 x 0~20mA Analog Input (res:0.01mA)
- 2 x Relay Output (5A@250VAC / 30VDC)
- 2 x Digital Output (NPN output. Max pull up voltage 36V,450mA)
- 2 x Digital dual direction Input (Detect High/Low signal, Max: 50v, or 220v with optional external resistor)

Order Info:

LT22222-L-XX:

- XX: Frequency Bands, options: EU433,CN470,EU868,IN865,KR920 AS923,AU915,US915,RU864,MA869