RAK4200 WisDuo LPWAN Module

Thank you for choosing **RAK4200 WisDuo LPWAN Module** in your awesome IoT Project! 🎉 To help you get started, we have provided you all the necessary documentations for your product.

- Quick Start Guide
- AT Command Manual
- RUI Secondary Development - RAK4200 module supports RUI Secondary Development, refer to RUI for further details.
- Low Level Development
- Datasheet

Product Description

RAK4200 WisDuo LPWAN Module includes an STM32L071 MCU and an SX1276 LoRa chip. It has Ultra-Low Power Consumption of 1.5 uA in sleep mode and high LoRa output power up to 19 dBm max in work mode.

The module complies with LoRaWAN 1.0.2 specification. It also supports LoRa P2P Point to Point communications. The module is suitable for various applications that require long range data acquisition and low power consumption.

Product Features

- LoRa module for Smart City, Smart Agriculture, Smart Industry
- **Compact Form Factor**: 15 x 15.5 x 2.5 mm
- 20 Pin Stamp Pad for PCB SMT mounting
- **I/O ports**: UART/I2C/GPIO
- **Temperature range**: -40 °C to +85 °C
- **Supply voltage**: 2.0 ~ 3.6 V
- **Frequency range**: 863–870 MHz (EU) / 902–928 MHz (US), ISM and SRD systems
- Low-Power Wireless Systems with 7.8 kHz to 500 KHz Bandwidth
- Ultra-Low Power Consumption 1.5 uA in sleep mode
- **Core**: ARM 32-bit Cortex – M0+ with MPU
- Up to 128 KB flash memory with ECC
- 20 KB RAM
- 6 KB of data EEPROM with ECC

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