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 documentation 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
- Reference Design ⬀

Product Description

RAK4200 WisDuo LPWAN Module includes an STM32L071 MCU and an SX1276 LoRa chip. It has Ultra-Low Power Consumption of 9.40 uA (down to 1.08 µA @ 2.0 V) 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/ADC
- **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 of 9.40 µA (down to 1.08 µA @ 2.0 V) 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

Last Updated: 8/24/2022, 8:50:48 AM