RAK11721 Breakout Board

Thank you for choosing **RAK11721 Breakout Board** in your awesome IoT project! 🎉 To help you get started, we have provided you with all the necessary documentation for your product.

- AT Command Manual
- Datasheet

Product Description

RAK11721 Breakout Board is specifically designed to allow easy access to the pins on the board to simplify development and testing. The breakout board footprint is based on the **XBee form factor**, and its main purpose is to allow the RAK11720 stamp module pins to be accessible via the 2.54 mm headers.

The board itself has the RAK11720 at its core, integrating an **Ambiq Apollo3 Blue AMA3B1KK-KBR-B0 SoC MCU** chip and **Semtech SX1262** LoRa transceiver. It has an ultra-low power consumption of 2.37 uA in sleep mode.

This module complies with Class A, B, & C of LoRaWAN 1.0.3 specifications. It also supports LoRa Point-to-Point (P2P) communication mode, which helps you in implementing your own customized long-range LoRa network quickly.

Product Features

- Based on RAK11720
- Custom firmware using Arduino via RUI3 API
- I/O ports: UART/I2C/GPIO/SPI
- Serial Wire Debug (SWD) interface
- Module size: 25.4 mm x 32.3 mm
- Supply Voltage: 1.8 V ~ 3.6 V
- Temperature Range: -40° C ~ 85° C

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