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Product Description

The RAK4260 module is based on Microchip's ATSAMR34J18B. It is a SiP device integrating a 32-bit ARM Cortex -M0+ MCU with a LoRa Transceiver in a 15x15 mm compact BGA package.

The SAMR chip provides a number of highly configurable peripherals (configurable as I2C/SPI/UART interfaces). There are 12-bit ADC in addition to the aforementioned.

It is a perfect solution for any LoRaWAN end node developer. The integration of the MCU and LoRa Transceiver reduces size and minimizes costs. Having such a compact solution within a single package reduces time to market and allows for rapid development and deployment for a number of scenarios.

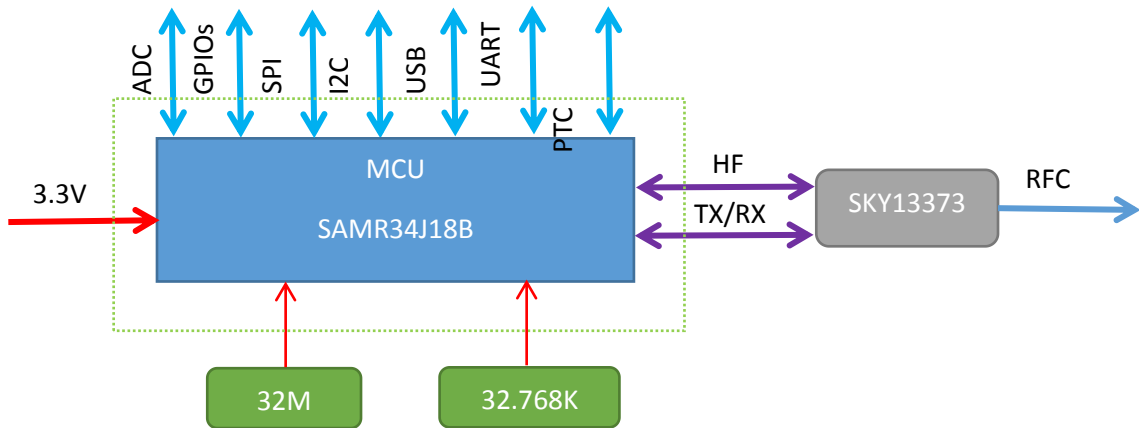
RAK4260 is a solution that is cost efficient and flexible that can be deployed in a wide variety of IoT scenarios that require the long range connectivity and great battery life that LoRaWAN provides.

Features

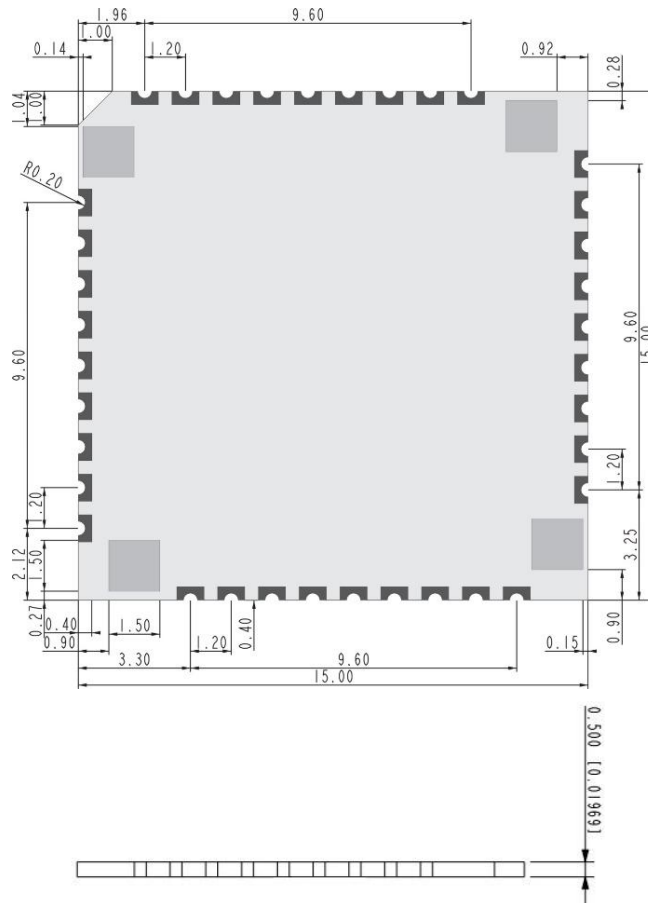
- Industry's lowest power LoRa® SiP device
- 32-bit Arm® Cortex M0+ MCU and LoRa Transceiver
- Small form factor: 15x15 mm compact BGA package
- 256KB Flash and 40KB RAM accommodates application code and stack
- Most cost and size effective solution, eliminating need for external MCU
- Fully supported 862 to 1020 MHz frequency coverage
- Receive Sensitivity down to -148 dBm
- Maximum Transmit Power up to 20 dBm
- Low RX current of 17mA (typical)
- LoRa Technology, (G)FSK, (G)MSK



Block Diagram



Mechanical Dimensions



About RAKwireless:

RAKwireless is the pioneer in providing innovative and diverse cellular and LoRa connectivity solutions for IoT edge devices. It's easy and modular design can be used in different IoT applications and accelerate time-to-market. For more information, please visit Rakwireless website at www.rakwireless.com.

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