

## Product Brief

### Type 1SJ Modem

# Integrated LoRaWAN modem

Ultra-small, long life modem for battery operated devices

## Description

Modem features ease of integration for LoRaWAN IoT devices and applications.

## Features

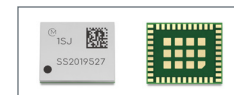
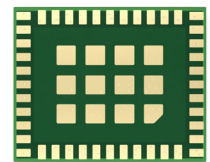
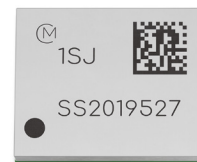
- AT-Command over UART for ease of use
- LoRaWAN certified
- Higher RF output power using SX1262
- LoRa Alliance FUOTA support
- Low power consumption
- FCC/IC/CE “Reference” certified
- LoRaWAN class A, B & C support

## Benefits

- Smallest/highly integrated LoRaWAN modem available in the market
- Allows simple RF design with only Antenna attachment
- Quick time to market LoRaWAN solution for Semtech SX1262 customers
- Allows simple host MCU design as LoRaWAN stack is included in modem firmware

## Specifications

|                          |                                     |
|--------------------------|-------------------------------------|
| Product Name             | LBAA0QB1SJ                          |
| Frequency                | Unlicensed ISM 868MHz/915MHz band   |
| Voltage Input            | 3.3V                                |
| Antenna                  | Printed PCB, whip, flexible antenna |
| Dimensions               | 10 x 8 x 1.6mm                      |
| Operating Temperature    | -40°C to 85°C                       |
| Regulatory Certification | FCC/IC/CE                           |



Actual Size