

## Product Brief

### Type 2GT-001 Module

# Multi-Band LoRa<sup>®</sup> connectivity module

LoRa and LR-FHSS communication over sub-GHz and 2.4GHz ISM bands as well as satellite S-Band connectivity

### Features

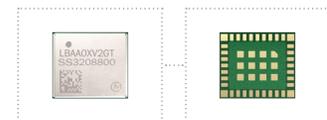
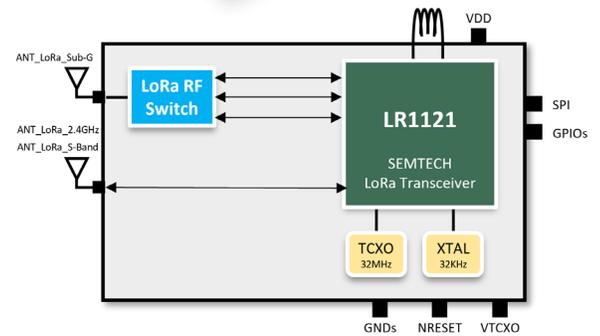
- SEMTECH LR1121 LoRa transceiver
- LoRa frequency
  - 860-930 MHz
  - 2.4 GHz ISM
  - 2.1 GHz satellite S-Band
- Low power consumption
- Package: LGA
- Operating temperature of -40°C to +85°C
- TCXO for maximum frequency accuracy
- Regulatory certification: FCC / ISED / CE / TELEC
- RoHS: This module is RoHS compliant

### Benefits

- Highly integrated module reducing end device footprint and PCB layer
- Easy and low power long range into Worldwide 2.4 GHz band
- Allows simple RF design with minimum additional components required
- Single SKU for LoRa terrestrial ISM band & Satellite S-Band
- Easily portable to various MCU allowing for simple integration to existing and New product design
- The module's RF certification can be reused for end-product certification
- Industry-Leading Quality and Reliability
- Cost and power optimized solution

### Specifications

Product name	LBAA0XV2GT-001
Technology	LoRa, LR-FHSS
Peripheral/F	SPI, GPIOs
Dimensions	9.98 x 8.70 x 1.74 mm (max)
Operating Temperature	-40°C to 85°C
Regulatory certification	FCC, IC, CE, TELEC



Actual size:  
9.98 x 8.70mm