

Features of LPWAN Module



- General purpose LoRa module with long range data link
- High sensitivity: down to -142.5 dBm
- Design for quick integration of sensors to LPWAN
- Option support for 868 MHz & 902 – 928 MHz
- Industrial Grade
- SMT module with castellated edge
- SDK support for AT command interface, Modbus interface and generic GPIO, UART interfaces

This LPWAN Module is a general purpose SMT module for sensor integration. Sensor vendors can speed up their LPWAN integration by embedding this module in their designs. This module will take care of the LPWAN communication with our LPWAN AP and cloud services. There are different integration options: the sensor design can integrate this SMT module via AT command set treating this module as a LPWAN modem; the interface can be via Modbus interface; and the entire sensor be controlled by the MCU of the module through GPIO or I²C or UART.

Specification

Wireless Frequency Band	902 - 928 MHz ISM (Option support for European band 868 MHz)		
Number of Channels	Configurable up to 64 channels; node will select available channel to send data		
Power Supply	+3.3 V	Transmit Power	+19 dBm
Receive Sensitivity	-136 dBm	Antenna Type	Pifa connector for antenna
Operating Temperature	-40°C ~ 85°C	Modulation	Based on IEEE 802.15.4g
Dimensions	L:40 x W:15mm	LED indicator	None
Certification	FCC, NCC, CE		