

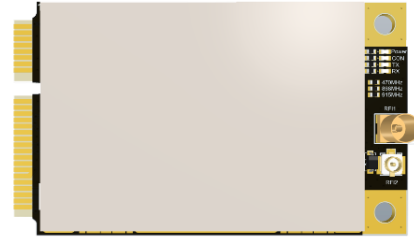
8-channel LoRa® gateway module

PRODUCT BRIEF

RHF0M302B Mini-PCIE interface 8-channel LoRa® gateway module is a high performance small scale module with built-in Semtech LoRaWAN® gateway chip SX1302, It is dedicated in wireless sensor, automatic meter and other IOT applications. RHF0M302B gateway module can help user design their own LoRaWAN® gateway quickly.

RHF0M302B gateway module can support

frequency bands 470-510MHz, 868MHz and 915MHz. Meet the needs of global users in various regions.



APPLICATION

- IOT
- Security system gateway
- Low power Wan base station
- LoRa®/ LoRaWAN® gateway
- Automatic meter concentrator
- Concentrator for industrial control

FEATURES

- Small size : 60mm * 30mm * 3mm
- 52 pin Mini-PCIE interface package, easy to integrate application
- Frequency band
 - 470MHz / 868MHz / 915MHz
- Embeds 16 different modems :
 - 8xSF5-SF12, 8 multi-SF LoRa® modems
 - 8xSF5-SF10, 8 multi-SF LoRa® modems specifically demodulating SF5 to SF10 traffic
- 1 high-speed LoRa® modem (125, 250 or 500 kHz), handling a single declared SF
- Adaptively adjust the spreading factor from SF12 to SF5 (for 8 channels supporting multiple spreading factors)
- High performance :
 - -138dBm Receiving sensitivity /SF12 125KHz
 - 26dBm TX power
- interface design: SPI interface connection
- Support GPS PPS pulse input for network synchronization and LoRaWAN® class B
- power supply + 3.3V
- Full support for LoRaWAN® protocol class A, class B and class C

ORDERING INFORMATION

Part Number	Band	Tx power
RHF0M302-SPI-470B	470-490 MHz	26dBm
RHF0M302-SPI-868B	859-871 MHz	24dBm
RHF0M302-SPI-915B	900-930 MHz	26dBm

CONTACT

E-mail salesww@risinghf.com for more ordering information.