

8 Channels LoRaWAN Industrial Gateway

DESCRIPTION

RisingHF 8 Channels LoRaWAN Industrial gateway RHF2S025 is an easy installation indoor industrial gateway based on LoRaWAN protocol, which is embedded with Semtech's high performance multi-channel transceiver SX1308 and MTK platform. Half duplex and Full duplex mode is alternative.

The Gateway could connect to LoRaWAN Cloud server via Ethernet network, LTE 4G or Wifi. The Industrial GW include 3 modes: AP, STA and PPPoE as Router. Only one RJ45 port is provided but with WAN/LAN switch automatically.

The Industrial GW is targeted to be used in Industry 4.0, smart building, smart Industry, smart manufacture and as a supplement for the industrial outdoor gateway.



APPLICATIONS

- Smart Industry
- Industry 4.0
- Smart manufacture
- Industrial control
- Smart building
- Building automation

FEATURES

- 25dBm max output power
- High sensitivity with -141dBm@300bps
- Half duplex mode or Full duplex mode alternative
- One single antenna to support Full duplex LoRaWAN communication
- LoRaWAN uplink: 8 normal multi-SF channels (SF7 to SF12,125kHz), 1 single SF high speed data rate channel and 1 GFSK channel
- LoRaWAN downlink: 1 normal channel(125kHz/250kHz/500kHz LoRa configurable or GFSK)
- Communication data rate 292bps~ 50kbps
- Support LoRaWAN Class A/C
- WIFI 2.4GHz, Compatible with WLAN 802.11b/g/n
 - AP mode
 - Station mode
 - PPPoE mode to connect to network
- 1xLoRaWAN Antenna, 1xWIFI Antenna, 1x4G Antenna
 - LoRaWAN antenna Gain: 0dBi default
 - WIFI antenna Gain: 5dBi default
 - 4G antenna Gain: 0dBi default

- 10/100M Ethernet, LAN/WAN switch automatically via one RJ45
- Configurable via WIFI or LAN
- LED status for Power/WIFI/LoRaWAN/USB
- DC 12V input
- Indoor high reliability with 3kv surge test
- Operating frequency bands (Option when order):
 - 434MHz, 470MHz/510MHz, 780MHz, 868MHz, 915MHz.

ORDERING INFORMATION

Num	Serial model	Part Number	Band@Uplink	Band@Downlink	Specifications
1	RHF2S025AH8	RHF2S025AH8-470	470MHz~490MHz	470MHz~510MHz	No LTE/半双工
		RHF2S025AH8-868	859MHz~871MHz	859MHz~871MHz	No LTE/半双工
		RHF2S025AH8-915	900MHz~930MHz	900MHz~930MHz	No LTE/半双工
2	RHF2S025BH8	RHF2S025BH8-470	470MHz~490MHz	470MHz~510MHz	LTE/半双工
		RHF2S025BH8-868	859MHz~871MHz	859MHz~871MHz	LTE/半双工
		RHF2S025BH8-915	900MHz~930MHz	900MHz~930MHz	LTE/半双工
3	RHF2S025AF8	RHF2S025AF8-470	470MHz~490MHz	500MHz~510MHz	No LTE/全双工
		RHF2S025AF8-AL1	470.2MHz~476.6MHz	483.8MHz~490.2MHz	No LTE/全双工
		RHF2S025AF8-915	902MHz~915MHz	923MHz~928MHz	No LTE/全双工
4	RHF2S025BF8	RHF2S025BF8-470	470MHz~490MHz	500MHz~510MHz	LTE/全双工
		RHF2S025BF8-AL1	470.2MHz~476.6MHz	483.8MHz~490.2MHz	LTE/全双工
		RHF2S025BF8-915	902MHz~915MHz	923MHz~928MHz	LTE/全双工

CONTACT

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