8 Channels LoRaWAN Indoor Gateway

DESCRIPTION

Xinghang 8 Channels LoRaWAN indoor gateway RHF2S024 is an easy installation indoor gateway based on LoRaWAN protocol, which is embedded with Semtech's high performance multi-channel transceiver SX1308 and MTK platform.

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

The Home GW is targeted to be used in smart hotel, smart building, smart home, indoor smart parking and as a supplement for the industrial outdoor gateway.

APPLICATIONS

- Smart hotel
- Smart home
- Indoor smart parking

- Smart building
- Indoor application
- Building automation

FEATURES

- P27dBm max output power
- High sensitivity with -141dBm@300bps
- Half duplex mode for 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
- LoRaWAN antenna Gain: 0dBi default
- WIFI antenna Gain: 5dBi 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 use
- Operating frequency bands (Option when order):
  - 434MHz, 470MHz/510MHz, 780MHz, 868MHz, 915MHz.

ORDERING INFORMATION

Part Number	Frequency Band	MAX TX POWER
RHF2S024-434	430 - 437MHz	27dBm
RHF2S024-470	470 - 490MHz	27dBm
RHF2S024-780	779 - 787MHz	27dBm
RHF2S024-868	859 - 871MHz	27dBm
RHF2S024-915	902 - 928MHz	27dBm

CONTACT

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