



Features

- LoRaWAN Gateway + Server Lite (All in one)
- Open Source OpenWRT system
- 8 LoRaWAN Channels gateway
- Support LoRaWAN station connection
- Supports Semtech Standard Packet Forwarder
- Managed and Configured by Web UI
- Support MQTT function
- SD card for log backup (For future use)

System

- CPU MT7688AN MIPS CPU, 580 MHz
- RAM 128M Bytes DDR2 RAM
- ROM 32M Bytes Flash ROM

Connectivity

- LoRa Interfaces
Frequency Bands US915, AU915, AS923, KR920
EU868, IN865, RU864, KZ865
Sensitivity -125dBm@125K/SF7
-139dBm@125K/SF12
TX Power Max. 27dBm
- Ethernet
10 /100 M bps (Auto Detecting)
Built-in 1.5KV Magnetic Isolation
- Wi-Fi 2.4G (AP mode for Configuration only)
- 4G LTE CAT1 or CAT4 (option)
LTE CAT1 module: SMICOM A7672SA
1.Data rate
-Uplink upto 5Mbps
-Downlink upto 10Mbps
2.LTE-FDD B1/B2/B3/B4/B5/B7/B8/B28/B66
3.GSM/GPRS/EDGE 850/900/1800/1900mhz
LTE CAT4 module: SIMCOM SIM7500SA
1.Data rate
-Uplink upto 50Mbps
-Downlink upto 150Mbps
2.LTE-FDD B1/B3/B7/B8/B20
3.Dual-Band UMTS/HSDPA+ B1/B8
4.GSM/GPRS/EDGE 900/1800MHz
- Nano SIM socket x1
- Nano SDCard x1

Protocols

- TCP/IP, UDP, MQTT, Semtech UDP Packet Forwarder
- Supports DHCP, Static IP and DHCP Server
- Web browser for firmware upgrade, setting, management

Mechanical & Environment

Operating Temperature : - 10 °C ~ 70 °C
Storage Temperature : - 20 °C ~ 80 °C
Ambient Relative Humidity 5%~95%, non-condensing
PCB Dimensions 120mm x 90mm, Weight : 950 gm

Power

DC-Jack, 12V/1A

LED

PWR/ST, LORA, WIFI, LTE, GPS

Warranty

Warranty period : 1 year

Order Information

LR-201-G-WAN : Gateway Model
LR-201-G-WAN+4G : 4G Mode
LR-201-SERVER-WAN : Gateway + Server Lite package

Block Diagram

