



### Features

- Built-in MediaTek smart 7688
- Open Source OpenWRT system
- Multi-Channels LoRaWAN gateway
- Support LoRaWAN station connection
- Supports Semtech Standard Packet Forwarder
- Managed and Configured by Web UI

### 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
- WiFi  
2.4G WiFi IEEE 802.11 b / g / n
- 4G LTE CAT1 or CAT4  
LTE CAT1 module: SMICOM A7672SA  
1.Data rate  
-Uplink up to 5Mbps  
-Downlink up to 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 up to 50Mbps  
-Downlink up to 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 x 1
- Nano SD Card x 1

### 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 : - 20 °C ~ 70 °C  
Storage Temperature : - 30 °C ~ 80 °C  
Ambient Relative Humidity 5%~95%, non-condensing  
PCB Dimensions 120mm x 90mm, Weight : 950 gm

### Power

DC-Jack, 5V/3A

### 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 Model

### Block Diagram

