

Brief Introduction

LoRun® G200 Series gateway is a portable indoor gateway and complies with LoRaWAN™ protocol to provide low power, stable and secure wireless connectivity for devices and sensors.

LoRun® G200 adopts star topology deployment and provide WiFi, 4G or Ethernet connection to network server. The solution is used in a wide area of applications such as smart energy, smart cities and agricultural IoT.

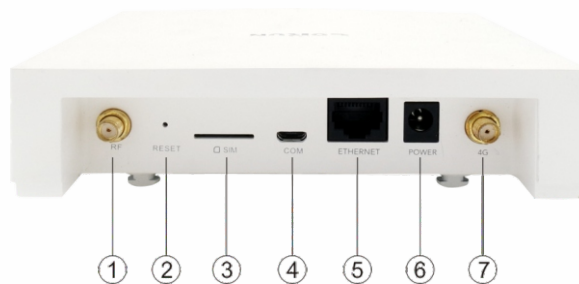
G200 meets the network requirements of long-range communications, strong anti-interference ability, high sensitivity and low power for many dispersed nodes to provide a low cost and high reliability indoor IoT solution.



Features

- Low cost LoRa network deployment
- Receiving sensitivity up to -137dbm
- Multi-gateway network alternate
- Versatile Backhaul Options: 4G/Ethernet/WiFi
- Easy Maintenance

Interface Introduction



Port 1: LoRa Antenna (SMA-female)

Port 3: SIM Card Slot

Port 5: Ethernet (RJ45)

Port 7: 4G/WiFi Antenna (SMA-female)

Port 2: RESET

Port 4: Micro USB

Port 6: DC12V DC_IN

Specification

LoRa Parameters	
Frequency Band	470MHz/868MHz/915MHz/923MHz
Communication	LoRaWAN, Star Network
Modulation	LoRa
Mode	Half duplex
Sensitivity	-137dBm @SF12/BW 125KHz
Max Transmitter Power	17 dBm (Typical)
Channel & Bandwidth	125KHz/250KHz/500MHz Configurable
Interface	Ethernet/WiFi/4G
Communication Distance	Suburban 5Km, urban 3Km
Physical	
IP Grade	IP30
Size	142mm*142mm*35mm
Color	Off white
Material	PC+ABS
Input Voltage	DC12V(11.0 VDC ~ 14.0 VDC)
Installation	Desktop/Wall mount/Ceiling mount
Operating Temperature	0-60°C
Operating Humidity	0-90%RH
Thermal Methods	Radiator grille
Hardware	
Processor	MIPS 650MHz
RAM	128MB RAM
Flash	16MB
WiFi	QCA9513
Security System	
System Encryption	AES128
Remote Management	
Upgrade and Maintenance	Remote monitoring of network status
	Support remote firmware upgrade, configuration backup and recovery

About LoRaWAN™

LoRaWAN™ is a long range radio frequency protocol that allows things to connect to the internet over a long range with low power consumption. Low Power, Wide Area Networks (LPWAN) are projected to support a major portion of the billions of devices forecasted for the Internet of Things (IoT). LoRaWAN™ is designed from the bottom up to optimize LPWANs for battery lifetime, capacity, range, and cost.

About EasyLinkin

Founded in Y2017, EasyLinkin is a leading LoRaWAN solution provider based in Shenzhen, China. EasyLinkin develops and promotes innovative solutions to meet the unique challenges facing LPWAN.