

Brief Introduction

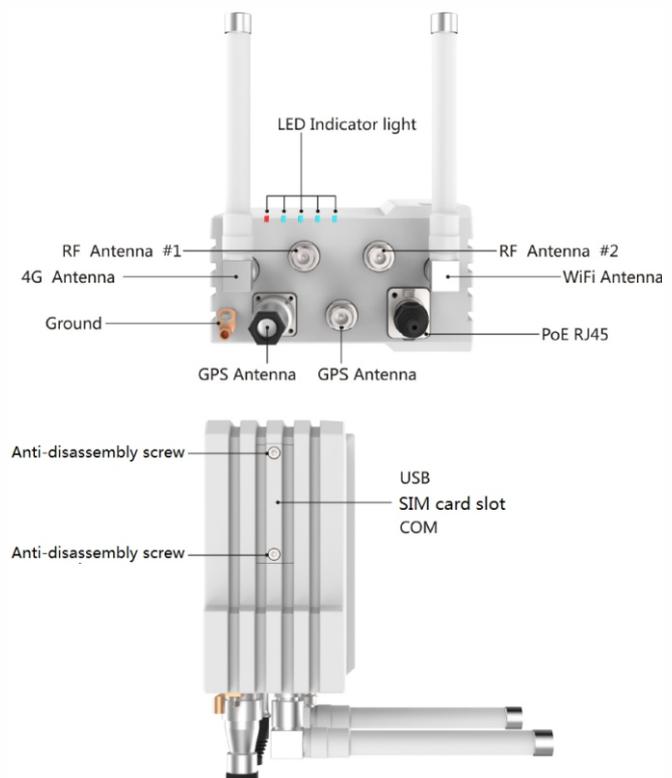
LoRun® G500 gateway is a series of low power, low cost, long distance, wireless transmission IoT gateway based on LoRaWAN protocol, specially used for: high communication requirements, strong anti-jamming ability, high sensitivity, low power consumption, many access nodes and scattered characteristics of terminal equipment, and suitable for outdoor thunderstorm weather and other characteristics. It can be widely used in urban management, urban construction and transportation, command community park, modern agriculture, industry, mining and other fields.

Features

- Up to 15km communication distance
- Receiving sensitivity up to - 140dBm
- Multi-gateway network alternate
- WiFi-based configuration management
- IP66 waterproof rating
- Versatile Backhaul Options:4G/Ethernet



Interface Introduction



Specification

| Specifications | Description |
|-----------------------------------|---|
| Physical characteristics | |
| Protection grade | IP66 |
| Structure size (H.W.D) | 178mm*178mm*100mm |
| Weight | 2.2kg |
| Color | Platinum |
| Material | ADC12 aluminum |
| Installation type | Holding pole type, Attaching wall type |
| Working temperature | -40~85°C |
| Working humidity | 0-90% RH |
| Heat dissipation mode | Natural heat dissipation (no fan) |
| Electrical characteristics | |
| Processor | ARM Cortex A8/1GHz |
| Memory | 512MB |
| Flash | 4GB |
| External interface | |
| Ethernet | RJ45 YT Push buckle type |
| GPS antenna interface | N-type waterproof joint |
| RF Antenna Interface | N-type waterproof joint |
| WIFI antenna interface | N-type waterproof joint |
| 4G antenna interface | N-type waterproof joint |
| Sim card slot | Sim card push |
| USB | Micro usb |
| COM | Micro usb |
| GPS | |
| Positioning time service | Built-in GPS module |
| Location mode | GPS, Beidou |
| LED indicator | |
| Power | When the power is on, the red light is always on, indicating that the power supply is normal. |
| STATUS | Normal operation: slow flash (0.5s on, 0.5s off)System failure: Flash 2 times quickly, off |
| ETH | |
| GPS | The GPS is in the position state when the blue lamp flashes |
| 4G signal intensity | If RSSI < -100dBm, LED blinking cycle is 4s, on for 2s and off for 2s. |
| | If -100dBm < RSSI < -85dBm, LED blinking cycle is 2s. |
| | If -85dBm < RSSI < -75dBm, LED blinking cycle is 1s. |
| | If -75dBm < RSSI < -65dBm, LED blinking cycle is 0.2s(fast flash). |
| | If -65dBm < RSSI < -54 dBm, LED blue light keeps on. |
| Operating system | |
| Firmware | Based on Linux |
| Protocol | |
| Communication protocol | LoRaWAN V1.0.2 |
| Safety system | |
| Secure encryption | AES128 |

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.