

LoraWAN Gateway WE-LG86

with 4G GPS Datasheet

Product Introduction

The WE-LG86 gateway is a standard Lorawan network relay device launched by HoneyComm IoT. As an information converter in the Lorawan communication system, it is responsible for connecting the network server and terminal nodes, realizing the conversion and forwarding of message communication protocols between terminal devices and the server. It supports the Lorawan communication standard and can connect a large number of various Lorawan nodes, laying the foundation for low-cost, low-power positioning. It supports 4G wireless communication, mains power, and can withstand harsh environments such as high and low temperatures (-35°C~75°C).

Product Specifications

Name	LoraWAN Gateway	PN.	WE-LG86
Product Appearance			
			
N o.	Type	Item	Parameters
1	Basic Parameter	Communication methods	LORAWAN to 4G/TCP
2		Operating frequency band	broadcast
3		Coverage	Maximum range 5KM / Stable range 3KM
4		Number of nodes	1000
5		Positioning method	GPS
6		Power consumption	≤35W
7		Operating temperature	-35℃ ~ 75℃
8		Operating humidity	0 to 95% (relative humidity)
9		Power supply method	AC220V/DC12V
10		Enclosure protection rating	IP65
11		Size	289.4mm*217.4mm*115mm No antenna
12	Function	Transmit Larwaan smart ear tag/necklace data and GPS positioning	

Features:

Relays Lorwan smart terminal data and provides GPS positioning.
Receives broadcast data from third-party Bluetooth devices;
Real-time forwarding of Lorwan device data;
Supports 4G network communication;
Supports TCP network communication;
GPS positioning;
Data communication and operational status indicators;
Low-power design, energy-saving and environmentally friendly.

Service Overview and Architecture:

The core of the smart terminal management IoT service is an intelligent centralized network management platform for centralized remote management of devices. Based on a browser/server (B/S) architecture, users can remotely monitor, configure, and manage devices through a web browser, which is easy to use and can greatly reduce device management costs.

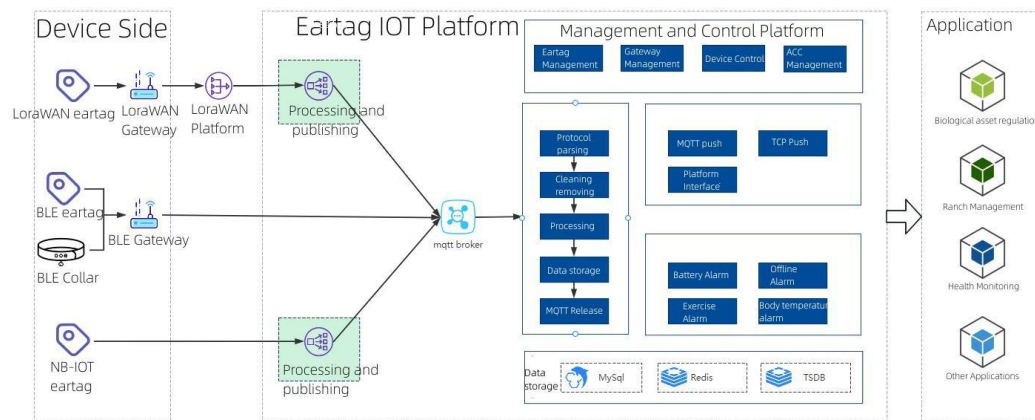
The core of the smart terminal management IoT service is the intelligent centralized network management platform, whose architecture includes:

Hardware devices:

Smart terminals, Lorwan gateways.

System software:

Management system web interface, APP, etc.



Data Integration

HoneyComm offers four data integration methods to meet the needs of different customers.

Method 1: MQTT Subscription

Method 2: WEBHOOK

Method 3: Integration via Platform Interface

Method 4: Direct Transmission via Gateway