

G08 LoRa Data Aggregator Gateway



Features & Benefits

- Receiving LoRa data transmission
- Ethernet connection with RJ45 interface
- Interoperable with Sentrolcloud data dashboard
- Support Listen Before Talk for downlink
- Support USB upgrade
- Support water-resistance enclosure for humid environment

Product description:

The LoRa Data Aggregator Gateway is applied specially in the development of LPWAN system solutions and it is designed to the commercial setting of vertical applications within 30 nodes in general. The LoRa gateway enables the connections among designated and battery or mains-operated sensors over long distances in harsh environments. On top of the long-range, high penetration, and high sensitivity capabilities, it is a scalable technology and configurations considering the total cost of ownership for service providers to deploy LoRa networks for sensor applications for optimizations and instrumentations. The LoRa Gateway is specifically designed for wide area IoT applications, such as smart factory, smart farming, smart campus...etc.

Specifications

Frequency Band	868, 915~928 MHz (Global Standard Bands)
Nodes Capacity	30 sensors Maximum
LPWAN Protocol	LoRa MSP / LoRa WAN(Optional)
Transmit RF Power	0.5W(up to 20dBm)
Receive Sensitivity	Down to -142 dBm
Power Supply	AC 100~240 to DC12V Adapter
Antenna Type	External SMA connector for LoRa antenna
Interfaces	RJ45 for Ethernet USB
Enclosure Protection	Weather proof case
Temperature	-10°C ~ 55°C(Operating)/-10°C ~ 60°C(Storage)
Dimensions	Data Aggregator: (L)4.6 X(W) 3.8 X (H)1inches Protective Box: (L)7.8 X (W)7.8X (H)2.8 inches
Weight	Data Aggregator: 5.5 oz Protective Box: 88 oz
Certifications	CE
Security	AES128 Encryption
Connectors	RJ45 for Ethernet, USB, Power adapter
LED Indications	Connectivity to Cloud, Connectivity to IoT Device(s), security alarm(Conditional)

Outlook and Dimension

Data Aggregator



Protective Box



Unit: inch

* Specifications may change without notice.

System Configuration

