FRIGGA
Real Time Cold Chain Solutions



V5 PRO KIT

New generation of Super-Bluetooth gateway solution.

Frigga®V5-(C)-Pro Kit Real-time Gateway Solution



Unlock the Power of Frigga's newest innovation——Frigga real-time gateway solution!

V5-(C)-PRO KIT, the latest real-time gateway solutions from Frigga, offers unmatched long range, high penetration, and low power consumption that are critical for supply chain operations.

V5-(C)-PRO KIT is tuned for consumers network with a large number of sensors communicating over long distance. It is suitable for large cold storage warehouses, refrigerated trucks and containers delivery, vaccine transportation and storage, etc.

Frigga® IoT Cloud Platform intergrates the data collection and analysis to digitize and automate your supply chain management, enabling informed decisions through real-time visibility and alarm mechanism to secure your shipments.

Key Features and Advantages

V5-(C)-Pro Host-(Li)-60:

- Real-time communication with beacons, cost-effective;
- High accurate positioning technology on the road and ocean, **location accuracy±10m;**
- NIST traceable sensors to monitor temperature, humidity, light , shock, tilt, location, motion, ETA/ETD, ensure 360° view of shipment conditions;
- 3-axis acceleration (shock) detection and analysis, with the range of **0-16G;**
- 3-axis tilt detection and analysis, Resolution 0.1°;
- Real-time temperature monitoring from **-30°C to +70°C;**
- Real-time alerts to receivers via Email, SMS, APP (Android and iOS);
- Large local storage, keep recording and storing data in offline mode. Zero data loss;
- Support remote parameter setting, modify alarm threshold, etc.

M1H Beacon:

- Fast data transfer rate to gateway, superior **communication range +150 meters** (open space);
- Support +20m communication range through obstructions, **excellent penetration** within buildings/containers;
- Each beacon has a **LCD screen**, easy to read data;
- Each beacon **functions as a individual data logger**, which transfers data to gateway to give real-time visibility to reviewers, but also supports **downloading report** through its USB cable, ensure zero data loss;
- Large local storage, up to **120-day use time** with one charge;
- Beacons are able to monitor **temperature** (-30°C to +70°C), **humidity, light and location;**

Frigga® Cloud Platform

Frigga cloud platform provides full real-time supply chain visibility. The platform supports global use, and provides following services throughout the process:

- Overview of shipment data in real-time
- Large local storage of host devices and beacons
- Shipment ETA/ETD, trans-shipments data
- Real-time temperature, humidity, light, tilt, acceleration (shock) and location
- Real-time notifications and alarms
- Long-term data storage
- Comply with GSP/FDA
- Available on mobile/PC
- Multi-level user management



Specifications	V5-(C)-Pro Host-(Li)-60	M1H Beacon
Usage Type	Single-Use	
Monitor Information	Temperature, Humidity, Light, Tilt, Acceleration (Shock), Location, Motion, ETA/ETD (Ocean Tracking)	Temperature, Humidity, Light, Location
Location Type	GPS, A-GPS, self-developed mixed LBS, Wi-Fi Position, Ocean Tracking	Based on nearby V5-(C)-PRO Host location
Temp. Sensor	Internal Temperature Sensor (NIST Traceable)	
Temp. Range	-30°C to +70°C (-22°F to +158°F)	
Temp. Accuracy Range	±0.5°C (-20°C to +40°C); ±1°C for other range	
Humidity/Accuracy Range	5%~95%RH, ±3%(20%~80%RH); ±5% for other range	
Light Sensor Range	0~52,000 Lux, detect whether doors or cartons open	
Acceleration (Shock)	0-16 G	/
Tilt Resolution	0.1°	/
Memory Capacity	Max 28,800 readings	17,280 readings
Communication	Global LTE 4G/5G, fallback 2G network. Super-Bluetooth technology	Super-Bluetooth technology
SIM Card	Internal Embedded (Global Data Roaming)	/
Battery	Li-ion/ Non-lithium Battery Optional	CR2450 Coin battery
Shelf Time	12 Months	
Use Time	Up to 10-60 days (Based on reporting interval, optional 120 Days)	
Data Logging Interval	10/20/60 Min, settable via platform	10 Min
Data Reporting Interval	10 Min. (10/20/30/60 Min settable via platform)	10-60 Min
IP Rating	IP65	
Report	Get PDF report via USB2.0/ Frigga cloud platform/Frigga Track (Mobile App)	
Dimensions/Weight	103 x 61.3 x 23 mm / 130g	112 x 47 x 14 mm / 55g
Certifications	FCC, CE, RTCA/DO-160G, UN38.3, ROHS, WEEE, EN12830	