Remote Temperature Monitoring System

LoRa - 4G Gateway

LoRa ad Hoc Wireless Network

Sensor Node   Sensor Node   Sensor Node
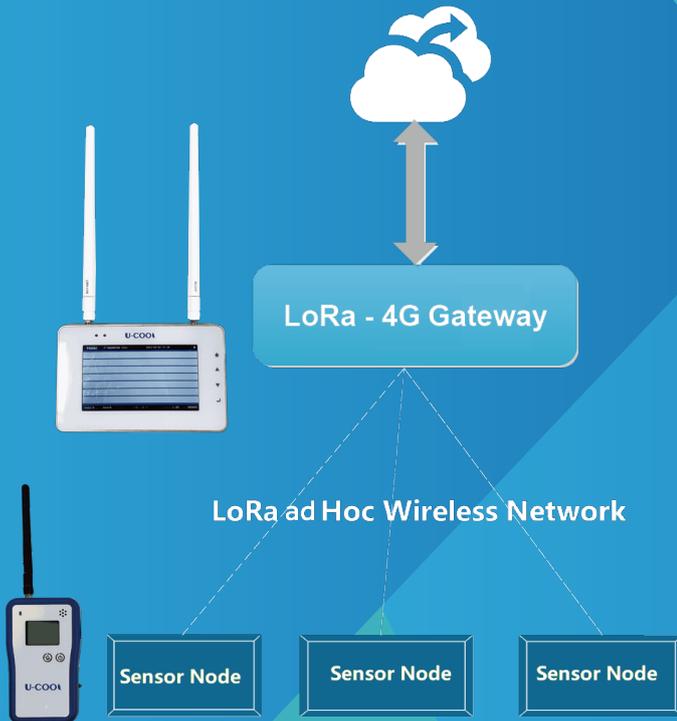
Application

For the real-time temperature monitoring of activities including the warehousing, distribution and laboratory preparation/storage of medicines, vaccines, blood, reagents, biological products and tissues etc. Primarily focused on cold storage from -196°C to +8°C, they can also be used for incubators, climate chambers and drying ovens up to +150°C. Can also monitor power/door status and humidity.

Features

◎ LoRa wireless ad hoc network communication technology, strong adaptability
◎ Smart gateway with backup battery, supports data breakpoint with continued transmission
◎ Sensors are battery powered, with an expected battery life of up to 3 years
◎ Real-time display of measurement data
◎ Suitable for monitoring temperature, humidity, door and power status

Technical Parameters

Product	Temperature and Humidity Data Logger	Temperature Data Logger	Door On-off Monitor	Power Outage Monitor
Model	YB-HC600-06	YB-HC600-01	YB-HC600-02	YB-HC600-03
Sensor	One line (5m) digital sensor	One line (5m) digital sensor	One line (3m) digital sensor	One line (3+3m) digital sensor
Measuring Function	Temperature Range: -40°C~80°C Humidity: 0%~100%RH Precision: 0.1°C1%RH Accuracy: ±0.5°C ±5%RH@0~90%RH	Temperature Range: NTC Sensor: -40°C~+80°C PT100 Sensor (optional): -199°C~+199°C Precision: 0.1°C Accuracy: ±0.5°C	Door open-close monitoring	Power supply monitoring
Dimension (H*W*D mm)	125*73*23			
Battery	3.6V/5400mAh			
Communication	LoRa			
Display	LCD display, real-time display of measured data, such as battery level, signal strength, etc.			
Local-storage	Local storage data of 60000 sets and it supports breakpoint continued transmission			

Product	Smart Gateway
Model	YB-HZ600-01
Transit Network	4G SIM card/LAN/WIFI
Maximum Number of Transmitters That Can Be Used (pcs)	60
Dimension (W*H*D mm)	160*100*33
Battery	3.7V/10000mAh
Communication	LoRa
Local-storage	60000 sets

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