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- LoRa long-range wireless environmental monitoring
- Strong signal penetration for large and complex facilities
- Temperature, humidity and gas monitoring supported
- Real-time data upload to cloud via LoRa gateway
- Reliable data storage with offline data recovery
- Real-time alarms and notifications(SMS/Email/App)
- Supports system integration and secondary development via API
- Rechargeable battery with long-term operation
- Designed for large-scale deployments

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Introduction

The LoRa Tag LT200 is a low-power environmental real-time data logger designed for large-scale and distributed

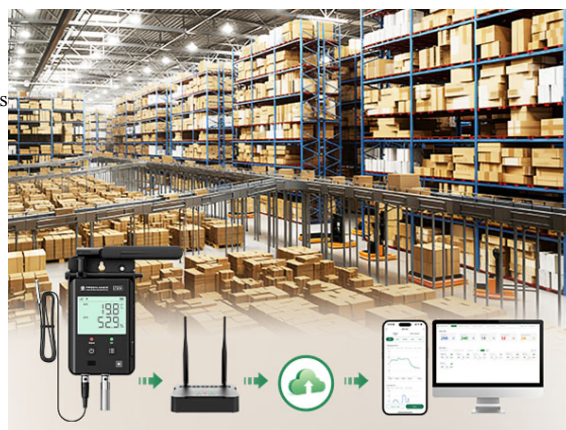
monitoring applications. The real-time data sensor supports temperature, humidity, and gas monitoring and

transmits data to the cloud through GAEA series LoRa gateways, allowing users to access real-time and historical

data via a cloud platform and mobile APP. With its scalable architecture, reliable data protection, and flexible

sensor options, LT200 real-time environmental monitoring system is well-suited for warehouses, factories,

hospitals, agriculture, and smart building projects.



Specifications

Model	LoRa Tag LT200		LoRa (868MHz/915MHz)
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		Frequency Band	
Built-in Sensor	-50°C ~ +70°C, ±0.5°C F.S. 0-100%RH, ±3%RH(25°C, 20%~80%RH); ±5%RH(Others)	External Probe	Max. 2 probes optional (See External Probe List)
Communication Distance	400m (Open air)	Maximum Current	≤500mA
Alarms	Max. 6 alarm points	Memory Capacity	Max. 100,000 readings
Battery	4000mAh/8000mAh rechargeable lithium battery USB Type-C 5V/2A (DC)	Battery Life	4000mAh: Max. 1 year (5-min upload interval) 8000mAh: Max. 2 years (5-min upload interval)
Weight	253g (with 4000mAh battery) 330g (With 8000mAh battery)	Dimension	85mm*37mm*150mm

External Probe List:

Probe Type	Measuring Range	Measuring Accuracy
Temperature Probe	-30°C~+70°C	±0.5°C (-30°C~+50°C) ±1.0°C(Others)
	-90°C~+200°C	±0.3°C (-40°C~+100°C) ±0.5°C (-80°C~-40°C; +100°C~+150°C) ±1.0°C (Others)
Temperature and Humidity Probe	-40°C~+85°C	±0.5°C F.S.
	0-100%RH	±3%RH (25°C, 20%~80%RH) ±5%RH (Others)
Standard cable length: 2m; Customizable length available: 5m, 10m, 15m or 20m.		

Features



Long-Range LoRa Wireless Communication & Scalable Deployment

Provides stable long-distance data transmission with strong signal penetration in large and complex

indoor environments. Supports centralized management of up to 50 devices through one G2000 LoRa

gateway, ideal for warehouses, factories, and large facilities.

Multi-Parameter Environmental Monitoring & Real-Time Data Upload

Supports temperature, humidity, and gas monitoring through optional external probes. Monitoring data is automatically uploaded to the cloud via LoRa gateways, enabling centralized visibility across all monitored points.



Offline Recording, Auto Cloud Sync, Zero Data Loss



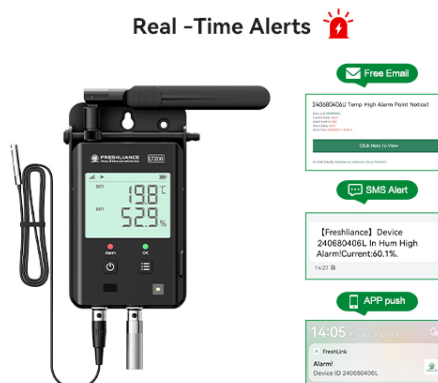
Reliable Data Protection During Network Interruptions

Local data storage with automatic data re-upload ensures no data loss during temporary network outages, maintaining data continuity and audit readiness.

Multi-Platform Access & Intelligent Alarms

Access real-time and historical data through web and mobile platforms. Configurable alarm rules trigger timely notifications via APP, email, or SMS, keeping users informed without unnecessary alerts.

Real-Time Alerts



Long-Life Rechargeable Battery

4000mAh / 8000mAh | Max. Current ≤500mA



Low Power Design with Long Battery Life

Rechargeable battery and optimized power consumption enable long-term operation with minimal maintenance, reducing labor and operational costs.

Applications

The LT200 environmental real-time data logger is suitable for a wide range of monitoring applications, including:

Warehouses & Logistics Centers: Temperature and humidity monitoring across large storage areas

Factories & Industrial Facilities: Environmental and gas monitoring for production safety and quality control

Hospitals & Laboratories: Stable monitoring in multi-room and multi-floor environments



FreshLink

(Android & iOS supported)

FreshLink is a mobile APP designed for Freshliance's real time temperature monitoring solutions with the gateways, and WiFi devices, etc. It is compatible with Android and iOS systems, and is composed of five pages: Home, Manage, Group, Alarm and Download, respectively for device status, real-time and historical data, usage records, device groups, data alarms, and data reports, etc. Using this APP, users can wirelessly configure and control the gateways, and WiFi devices, etc, as well as realize remote data tracking, filtration, analysis, and export in real time.

It works with the temperature monitoring solutions based on the gateways, and WiFi devices, etc.

Online message

Not sure which model is suitable for your application? Send us your requirements—we will recommend the best solution.

* Parts are required. Please fill and then submit.

Name	
E-mail*	E-mail is required.
Country/Region*	Country/Region is required.
Phone	
☐ Fresh Tag 1 ☐ Fresh Tag 1D ☐ Fresh Tag 1U ☐ Fresh Tag 10T ☐ Fresh Tag 10TH ☐ Thermis Log 1 ☐ Thermis Log 10T ☐ Thermis Log 10TH	
☐ Tagplus-T ☐ Tagplus-TH ☐ Atlas Log ☐ Fresh Keeper 1 ☐ Atlas Pro-TH	
☐ AlertTag T10 ☐ AlertTag T20 ☐ Thermis Tag 1 ☐ Thermis Tag 1E	
☐ BlueTag T10 ☐ BlueTag TH10 ☐ BlueTag TH20 ☐ BlueTag TH30 ☐ BlueTag T/TH100	
☐ COEUS-WIFI/4G ☐ Fresh Tracker 10 ☐ Fresh Tracker 10E ☐ Fresh Tracker 20 ☐ Gateway Series ☐ GSP100	
Message content*	Message content is required.
Submit	

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