Real Time Temperature and Humidity Monitoring for Cold Rooms, Labs and Small Warehouses

BlueTag TH10R   BlueTag TH30R   G1000–S

This integrated solution realizes higher reliability and stability in remote real–time environmental tracking and alarm notification. G1000–S gateway is designed to aggregate and transfer the precise and reliable field data logged by Bluetooth data loggers to Freshliance Cloud via more flexible internet connections–4G, WiFi or LAN. It delivers seamless, real–time environmental monitoring for small warehouses and other industries where temperature and humidity matter.

Secured Cloud transmission with flexible Internet connection via 4G, WiFi or LAN

Global data visualization via APP and cloud platform

Uninterrupted data collection, offline data re–uploaded after network recovery

Automated data processing and analysis; extreme value report by hour, day, week or month

Remote instant alerts via SMS, email, APP push, etc.

Multi–level administration access optional for efficient organization management

GAEA Series Gateway G1000-S

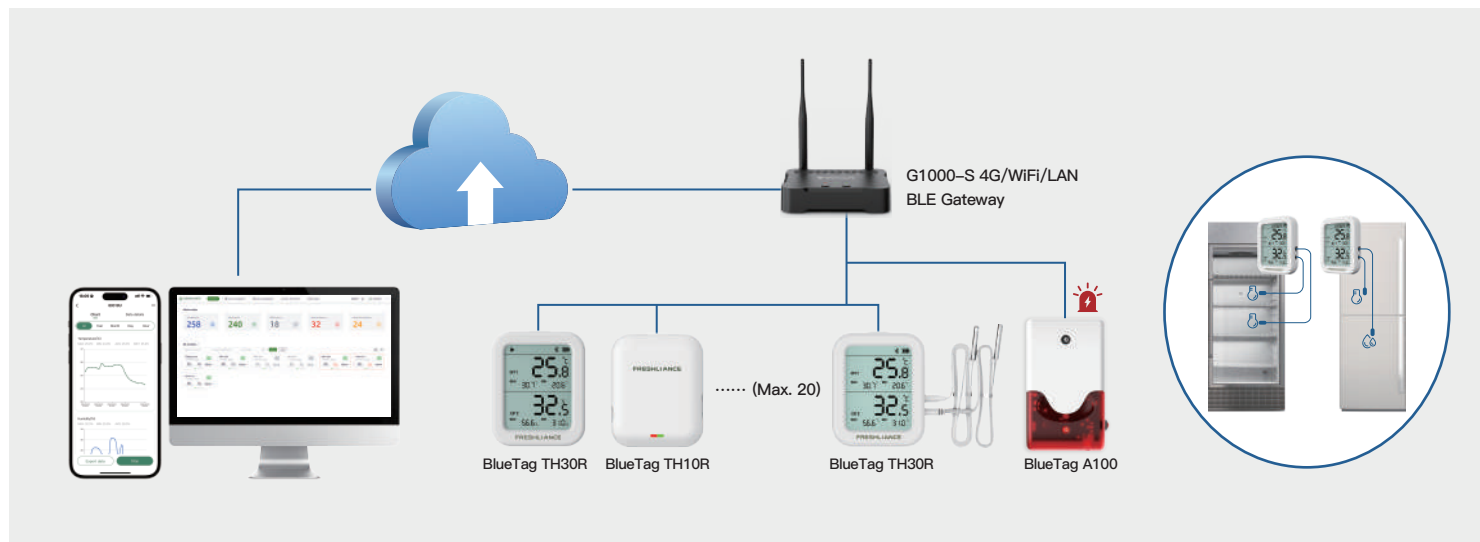| Model	G1000–S	Communication Network	WiFi&LAN/Bluetooth 4G&LAN/Bluetooth
Communication Range	100m (Open air)	Maximum Connections	20 sensors
Working Temperature	−30℃~+70℃	Power	DC 5V/2A, Type–C
Backup Battery	4000mAh, 3.7V / 8000mAh, 3.7V (Rechargeable)	Dimensions	Device: 140.8mm*37.3mm*110.8mm Antenna: 19.5mm*13mm

BlueTag Series Sensors

Model	BlueTag TH10R	BlueTag TH10R-I	BlueTag TH30R	BlueTag TH30R-I	BlueTag TH30R-ETU
Communication Distance	112m (Open air)		100m (Open air)		
Built–in Sensor	–30℃~+70℃, ±0.5℃ F.S.				
	0–100%RH, ±3.0%RH				
External Probe	See External Probe List (Max. 2 external probes optional)				
Temperature Units	℃, ℉				
Start Delay	0min~72h				
Logging Interval	1min~99min				
Memory Capacity	Max. 20,000 readings each probe				
Alarms	Max. 6 alarm points				
Report	PDF/CSV				
Connection	Bluetooth 5.2				
Battery	Rechargeable lithium battery (Charging time: 2–3 hours)				

External Probe List

Probe Type	Measuring Range	Measuring Accuracy
Temperature Probe	–30℃~+70℃	±0.5℃ (–30℃~+50℃); ±1.0℃ (Others)
	–90℃~+200℃	±0.3℃ (–40℃~+100℃); ±0.5℃ (–80℃~–40℃; +100℃~+150℃); ±1.0℃ (Others)
	–196℃~+200℃	±0.5℃ (–100℃~+80℃); ±1.0℃ (Others)
Temperature and Humidity Probe	–40℃~+85℃	±0.5℃ F.S.
	0–100%RH	±3%RH (25℃, 20%~90%RH); ±5%RH (Others)
Standard cable length: 2m; Customizable length available: 5m, 10m, 15m or 20m.		

APPLICATION

This solution is suitable for real–time temperature and humidity monitoring of small cold rooms, labs and warehouses, etc.

G1000–S 4G/WiFi/LAN
BLE Gateway

...... (Max. 20)

BlueTag TH30R   BlueTag TH10R   BlueTag TH30R   BlueTag A100

FOR BLUETOOTH SENSORS

- At least one gateway in each closed space or room
- No barriers between the gateway and its sensors
- Put the main device of the sensors outside the fridges, etc.

PUT INSIDE   PUT OUTSIDE   PUT OUTSIDE

Freshliance Electronics Corp., Ltd. is an ISO9001–certified enterprise. It is committed to environmental logging and IOT solution development based on independent temperature verification environments. We have a professional software and hardware team in the field of Bluetooth/Lora/NFC/RF/WiFi/2G/4G/5G, etc. We strive to maintain the best quality products and service for you and are ready for your tailor–made solutions.

RoHS   CE   EN12830   FDA   IATA   HACCP   GSP   DO-160