

Cold Chain Logistics Process Temperature Monitoring by Gateway



BlueTag T100/TH100-L

BlueTag T10-L

BlueTag TH10-L

G100-L

G1000-L

This solution is suitable for temperature/humidity monitoring in the cold chain logistics, especially container ports, freight yards and transfer stations, etc. The gateway is designed to automatically collect data from all pass-by BlueTag series data loggers and transfer data to Freshliance Cloud via WiFi or 4G network, with automated data access and tracking via the cloud platform and mobile APP. In transit, BlueTag series data loggers work as standalone monitors, allowing users to remotely get data via Bluetooth and share data among multiple users.



Quick and automated data access
by the consignee



Automated data processing
and analysis



APP and cloud platform for real-time
data review



Online remote processing by
the consigner



SMS, email,
and APP push alerts



Multi-level administration
access optional

GAEA Series Gateways

Gateway Model	G100-L	G1000-L
Communication Network	Bluetooth: Sensor to gateway WiFi: Gateway to cloud	Bluetooth: Sensor to gateway WiFi/4G/LAN: Gateway to cloud
Power	5V/2A, Mini-USB	5V/2A, Type-C
Backup Battery	×	4000mAh, 3.7V/8000mAh, 3.7V
Maximum Current	≤ 90mA	≤ 900mA
Maximum Connections	100 sensors	
Communication Range	100m (Open air)	
Working Temperature	-30°C~+70°C	

BlueTag Series Sensors

Model	BlueTag T10-L	BlueTag T100-L	BlueTag TH100-L	BlueTag TH10R-L
Communication Distance (Open Air)	90m	22m		63m
Temperature Range	-30℃~+70℃			
Temperature Accuracy	±0.5℃ F.S.	±0.3℃ F.S.	±0.5℃ F.S.	
Humidity Range	×		0~100%RH	
Humidity Accuracy	×		±3.0%RH (25℃, 0%~90%RH); ±5%RH (Others)	±3.0%RH
External Probes	×			Max. 2 external probes optional
Memory	Max. 65,000 readings			Max. 20,000 readings each probe
Battery	3.0V CR2032 lithium battery	3.0V CR2032 lithium battery, replaceable		3.7V 1000Ah lithium battery, rechargeable
Battery Life	Max. one year	Max. 200 days		Max. one year
Dimensions	48mm*31mm*5mm	31.8mm*31.8mm*10.5mm		83mm*68mm*20.5mm
Weight	7.8g	About 10g		80g
Installation	3M adhesive tape	3M adhesive tape, hanging		3M adhesive tape, hanging, magnetic suction
Start Delay	0min ~ 72h			
Logging Interval	1min ~ 99min			
Alarms	Max. 6 alarm points			
Temperature Units	℃, °F			
Report Format	PDF, CSV			
Connection	Bluetooth 5.2			

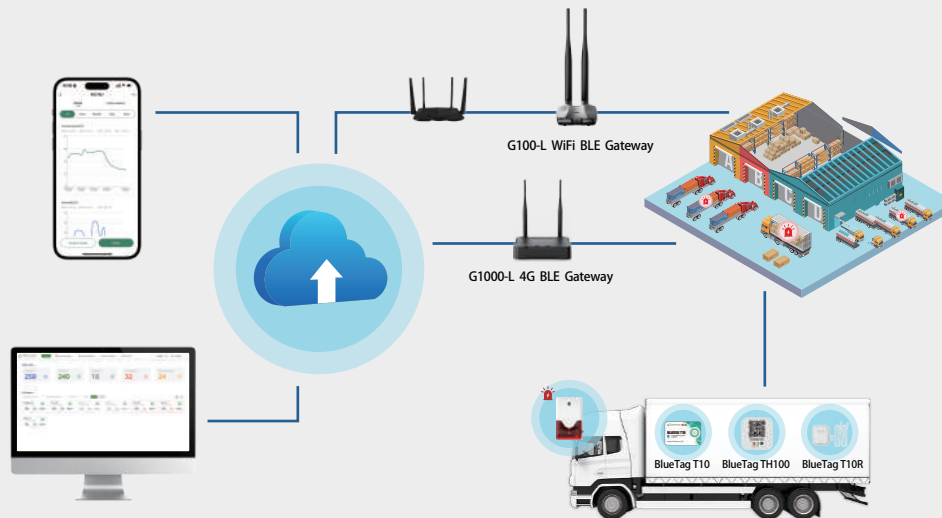
APPLICATION

This solution is suitable for the environmental monitoring and verification in cold chain logistics, including cold chain storage, handing, sorting, and distribution, etc., especially the freight yards and transfer stations.

COLD CHAIN LOGISTICS PROCESS TEMPERATURE CHECK AND REVIEW BY BLUETOOTH



COLD CHAIN LOGISTICS PROCESS TEMPERATURE MONITORING BY GATEWAY



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.



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