

WI-FI · DATA SHEET

SC-1004™

Reusable smart shipment tracker for location, temperature, and compliance visibility



DIMENSIONS

98 × 98 × 12 mm
(3.86 × 3.86 × 0.47 in)

WEIGHT

175 g
(6.2 oz)

Overview

The SC-1004 is a reusable, battery-operated or externally powered tracker that captures in-transit location and temperature. Ocean and flight modes, global coverage, NIST-traceable sensing, and an IP67 enclosure support supply chain integrity, security, and regulatory compliance.

Highlights



Reusable design supports portable or fixed deployment



Tracks shipment location and in-transit temperature



Ocean and flight modes support multimodal shipments



One-button activation simplifies shipment setup



IP67-rated enclosure provides waterproof protection



NIST-traceable sensing and battery or external power options

PHYSICAL DESIGN

Dimensions	98 × 98 × 12 mm (3.86 × 3.86 × 0.47 in)
Weight	175 g (6.2 oz)

CELLULAR

3G Bands	B1, B2, B3, B5, B8
2G Bands	B2, B3, B5, B8

GNSS

Constellation Support	GPS
Location Accuracy	GPS: 3-5 m; Wi-Fi: 100 m; Cellular: 500 m

WIRELESS INTERFACES

Bluetooth	BLE
Wi-Fi	802.11b/g/n, 2.4 GHz

POWER

Operating Voltage	Battery operated; optional external power
Battery Capacity	3.7 V, 4000 mAh (14.8 Wh; 5.0 A rate)
Battery Technology	Lithium-ion (Li-ion)
Battery Type	Rechargeable internal battery
Battery Life	15 days at 15-minute reporting
Operating Parameters	On/off button; Qi wireless charging; approximately 8-hour recharge

ENVIRONMENTAL

Temperature	Operating: -10 to 50 C (14 to 122 F) Storage: -10 to 40 C (14 to 104 F)
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Shock & Vibration	Shock and vibration resistant
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Environmental Rating	IP67
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SENSORS

Motion Sensor	Motion detection
Temperature Sensor	NIST traceable; typical accuracy +/-0.5 C (-30 to 60 C); configurable min/max thresholds
Shock Sensor	16 G max; impact, vertical drop and 90-degree tilt events
Light Sensor	Threshold on/off

CLOUD / SOFTWARE SERVICES

Device Management	Manage, configure, and deploy OTA software updates to connected assets at scale
CalAmp Telematics Cloud	Stream telematics data into proprietary systems with flexible API integration
CalAmp App	Fleet and asset management software for tracking, monitoring, and managing vehicles, equipment, drivers, assets, and cargo.

CERTIFICATIONS

Certifications	FCC; ISED; PTCRB; DO-160; NOM; IFETEL; CE; DGM; Thailand; Singapore
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ACCESSORIES

Accessories	Optional SC1004 mounting bracket
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