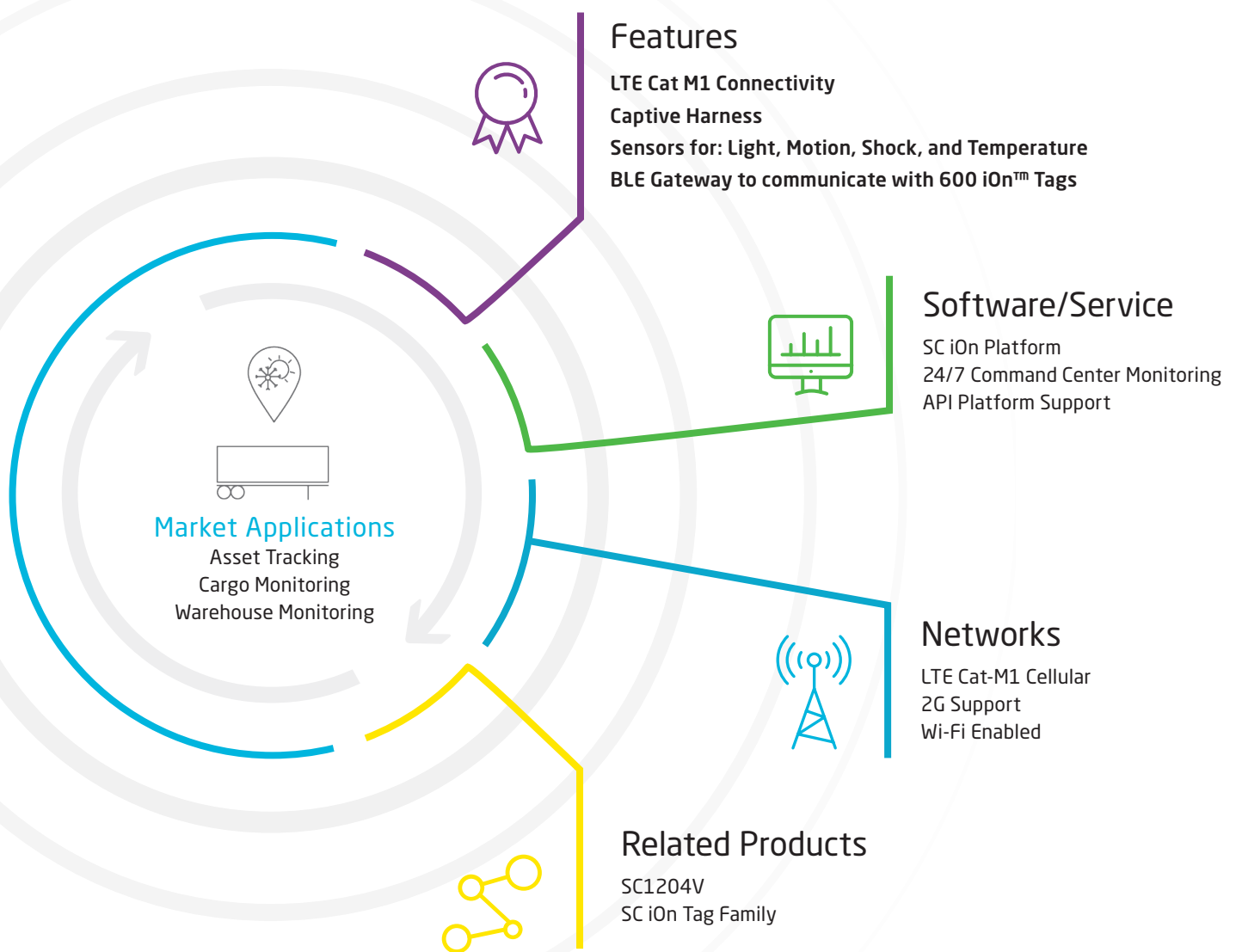




Multi-Use LTE CAT-M1 Smart Tracking Device for Visibility and Compliance

The SC1205V is a tracking device engineered for logging location and environmental conditions. It has a high capacity BLE chip that can read up to 600 iOn Tags, making it an ideal solution for fixed locations asset tracking (such as a warehouse) or in-transit asset tracking.



SC1205V Technical Specifications

Cellular/Network

Communication	
LTE Cat M1	2100 (B1)/1900 (B2)/1800 (B3)AWS 1700 (B4)/850(B5)/900(B8)/700 (B12/B13/B28)MHz
GSM/GPRS	850/900/1800/1900 MHz Bi-directional communications Over-the-air adjustable reporting rate Reporting rate: 1 min to 24 hour
Wi-Fi Enabled	2.4Ghz B/G/N

Wireless Interfaces

BLE Antenna	Internal
Cellular Antenna	Internal
GPS Antenna	Internal

Location Accuracy

Wi-Fi	100 meters
Cellular	500 meters
GPS	3-5 meters

Comprehensive I/O

Digital Inputs	2 (general purpose, IGN)
Digital Outputs	1 (general purpose - door locking/unlocking)
Analog Inputs	1 (external ADC input 0-35 VDC)

Certifications

Industry Certifications	FCC, PTCRB, Industry Canada
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Battery Pack

Battery Capacity	Up to 4000 mAh
Battery Technology	Lithium-Ion
Charging Temperature	0° to +45° C

Environmental

Temperature	-10° C to 50° C 14° F to 122° F (operating) -10° C to 40° C 14° F to 104° F (storage)
Humidity	85% RH @ 50° non-condensing
Shock and Vibration	SAE J1455
Ingress Protection Rating	IP66 Certified (connector dependent)

Physical/Design

Dimensions	5.61" x 3.25" x 1.28 (142.7 x 82.7 x 32.7 mm)
Weight	258g (9.1 oz)

Sensors

BLE SC iOn Tags	
Motion	Stationary/moving after stationary
Temperature	NIST Traceable Accuracy +/- 0.5C type (-30C to 60C) Min/Max Threshold (configurable)
Light	Threshold on/off
Shock	Dedicated 3-axis accelerometer 16 G max
Impact	General shock event
Drop	Vertical drop above threshold
Tilt	90 degrees
Tag Processing	Up to 600 per report

Electrical

Operating Voltage	12/24 VDC Vehicle Systems 9-30 VDC (start-up, operating) 7-35 VDC (momentary)
Power Consumption	Typical 4uA @ 12V (deep sleep) Typical 100mA @ 12V (radio-active sleep)

Product Options

SC iOn Platform
24/7 Command Center Monitoring
Calamp Telematics Cloud API