



Equipment Tracker Datasheet

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CoRe Equipment Tracker

Features

- IP67 or IP68 waterproof ratings
- Onboard geofencing available
- 32-bit ARM® Cortex®-M4 processor
- Hardwire capable
- FCC Certified
- Secure & encrypted data transfer
- GPS location & accelerometer data transmitted by cellular
- CATM1 and NB-IoT antenna for worldwide cellular connectivity
- Over-the-Air capability for automatic firmware/feature updates



Equipment Tracker Specifications

Dimensions	109.22 mm x 60.96 mm x 15.24 mm
Weight	77 grams
Supported Bands	3, 8, 20, 28
Battery	Lithium-Polymer (LiPo) <u>rechargable</u> . 3.7V
Battery Capacity	1300 mAh
Sensors	Accelerometer
Data Transmission	Cat-M1/NB-IoT for worldwide cellular connectivity
Firmware Update	Over cellular
Operating Temperature	-20°C to 60°C
Case Material	ABS

Operating Frequencies

LTE-M/NB IoT Bands	Frequency (MHz)	Declared Max Cond. Power (Inc. Tolerance) (dBm)	Duty Cycle Adjusted Cond. Output Power (dBm)
B3	1710	23	23
B8	880	23	23
B20	832	23	23
B28	703	23	23

Capabilities

- 24/7 cellular connectivity to Internet
- Highly accurate GPS location, speed & direction of travel
- Recording/reporting any movement, shock, drop or tilt
- Alerting via app upon tampering or movement
- Precise geofence zones
- Zone-crossing alerts for user-established geo-fenced zones
- Accurate “turn-by-turn” location tracking
- Recording of location and movement history
- Google IoT; customizable iOS & Android mobile apps and Desktop web-app

App/Database

- Multi-unit/multi-manager/multi-location fleet tracking capabilities
- Secure data transmission to customer host servers or via API

Power Consumption

- 36 to 96+ hours post power-source disconnect (user-set based on update rate)
- Charging port for connection to external power or battery
- Customizable to all fleets, power sources & size configurations
- Battery life up to 12+ months in custom applications needing less frequent updates



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Version	Date	Prepared by	Description
1.0	9/14/2022	Jasmine Dahlby	Document created
1.1	10/19/2022	Omar Ghazzaoui	Updated transmission Added certification features
1.2	10/24/2022	Jasmine Dahlby	Updated certifications
1.3	3/30/2023	Jasmine Dahlby	Added technical details and physical aspects
1.4	4/4/2023	Jasmine Dahlby	Updated technical details and physical aspects
1.5	5/2/2023	Jasmine Dahlby	Included supported bands
1.6	1/24/2024	Jasmine Dahlby	Removed BLE details