

REACT 1215

GNSS / WI-FI / BLE — NB-IOT / LTE-M

REFERENCE
1215

The only wired tracker in the range, powered by the vehicle battery. It combines NB-IoT and LTE-M with data recovery, indoor and outdoor location. It also detects the BLE-tagged assets it carries and measures the temperature inside the vehicle.



130 × 72 × 36 mm

Dimensions L × W × D

218 g

Weight · without cable

IP67

Ingress protection · IK09

Unlimited

Battery life

- GNSS GPS + GALILEO
- LTE-M
- 10 – 30 V DC
- Wi-Fi Scanning
- IP67
- Replaceable
- BLE 5.0
- IK09
- Battery life Unlimited
- NB-IoT
- Data recovery

Connectivity

NB-IoT + LTE-M

- Energy-efficient transceiver
- Internal omnidirectional antenna
- Bi-directional communication
- Data recovery
- OTA firmware upgrade (NB-IoT / LTE-M)

BLE — BLUETOOTH LOW ENERGY

- Bluetooth Low Energy 5.0

CONNECTIVITY PLAN

- Supplied with connectivity included — compatible with the TRAKmy Essential / Professional / Analytics plans

Geolocation

GNSS

- Multi-constellation chipset (GPS + GALILEO)

WI-FI SCANNING

- Wi-Fi based geolocation

BLE

- TRAKmy proximity beacon detection
- Detectable by zone and high-precision anchors
- BLE gateway: detects the tagged assets it carries

POWER & BATTERY

10 – 30 V DC external power

- Backup battery 12,000 mAh Li-SoCl₂ · replaceable
- Typical idle consumption : ~3 mA

Mechanics & Design

Antennas	All internal
Ingress protection	IP67
Impact resistance	IK09
Dimensions L × W × D	130 × 72 × 36 mm
Weight	218 g without cable
Drop and vibration	EN 60068
Colour	White and black
Operating temperature	-20 °C → +60 °C
Housing	PBT/PC 29 TM-Z2 FR UV LS
Treatments	Flame retardant · UV stabilised
SIM card	No (plan included)

Sensors

INTERNAL

- Activity monitoring
- Orientation monitoring
- Virtual tamper detection
- Temperature monitoring : -20 °C → +60 °C — typical accuracy ±0,25 °C (±1 °C worst case)
- Configurable shock detection

EXTERNAL BLE SENSORS

- Temperature, humidity
- Fill level, contact, magnet
- Other BLE sensors can be added

Certifications

REGULATORY

- CE
- FCC
- IC

BLUETOOTH 5.0

- Declaration ID D068598

ELECTRICAL SAFETY

- EN 62368-1

ENVIRONMENTAL

- Drop shock · EN 60068

User interaction

ACTIVATION

- Magnetic activation

LED FEEDBACK

- Green and red LED feedback on the device

SYNCHRONISATION

- Instant: magnet activation
- Periodic: no user interaction needed

Security

- Device-unique encryption keys
- End-to-end payload encryption ChaCha20
- AES-encrypted firmware
- Signed firmware images only

Power supply

INPUT

- 10 – 30 V DC with overvoltage protection
- Typical idle consumption : ~3 mA
- Typical maximum : 300 mA @10 V · 70 mA @30 V

FUSE

- Recommended : > 500 mA · < 1 A

BACKUP BATTERY

- User-replaceable 3-cell pack
- 12,000 mAh Li-SoCl₂ · 2.94 g of lithium

Management services

DIAGNOSTICS

- Battery lifetime prediction
- Detailed energy consumption
- Geolocation diagnostics
- Installation · communication quality

MANAGEMENT

- OTA firmware updates (NB-IoT, LTE-M, BLE)
- Remote configuration
- Tracker usage profiles
- External environmental sensors

APPLICATION SERVICES

- Localisation · journeys · activity · utilisation
- Temperature · tilt · shock detection

Firmware configuration

COMMUNICATION

- Data recovery strategy · communication conditions

LOCATION

- Motion-based, context-based, periodic or scheduled
- Configurable update rate · journey detection
- Priority sequence: GNSS, Wi-Fi, BLE geobeacon
- Indoor detection algorithm · Wi-Fi & BLE scan strategy

SENSORS & RULES

- Polling, aggregation & alerts (edge processing)
- Orientation · activity · tamper · shock
- Rule engine · diagnostics · time synchronisation

Activation & mounting

- Magnetic activation
- Holes 7 × 9 mm — centres 115 mm

Accessories

- CAB 8600 — 6 m power cable