

BAT-NXT

Global Asset Tracker & IoT Gateway with NIST Traceable Sensors

The BAT-NXT is a battery-operated global tracking device utilizing low power LTE CAT-M1/NB-IoT technology with embedded Bluetooth. Optimized for dry and refrigerated supply chain use cases at a package level.



FEATURE RICH

BAT-NXT employs NIST Traceable sensors for precise temperature and humidity monitoring in critical use cases. LED indicators and operator button provide visibility and control.

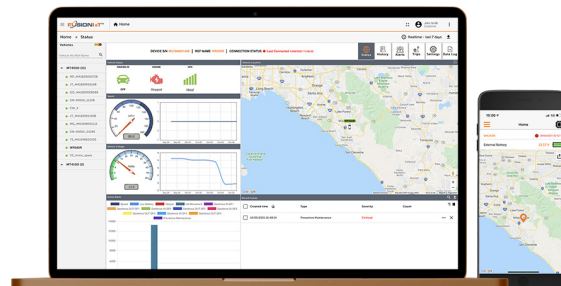
EFFICIENT

BAT-NXT design incorporates increased battery density, power saving modes and low power consumption.

FULLY CONFIGURABLE

BAT-NXT can act as a gateway solution for BTM250 series and other Bluetooth devices, or as a beacon to conserve battery power during extended idle periods.

Pair BAT-NXT with FusionIoT™ Platform Plus Connectivity for a mobile and modular end-to-end solution to asset management.



PRODUCT DETAILS

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FEATURES AND BENEFITS

- Real-time and periodic reporting of sensor data
- Bluetooth Beacons Gateway
- Stand-alone GPS
- NIST Traceable Temperature and Humidity Monitoring
- External Temperature Probe

EMBEDDED SERVICES

- FOTA (firmware over the air) updates
- API setup and Device Management
- FusionIoT™ LaaS (indoor and outdoor location services)
- Indoor location via BLE5 beacons

Technical Specifications

Antenna	Internal Cellular, GNSS and Bluetooth
Cellular Service	LTE Cat-M1, NB-IoT, 2G Fallback
GNSS	GPS and GLONASS
Bluetooth	5.1, 2400-2485 MHz; Gateway mode, Beacon mode
Sensors	IMU: 6-axis accelerometer & Gyro, NIST Traceable Temperature and Humidity, Pressure, Ambient Light, Drop & Impact (1-25.5 G), Tilt (0-180, non-negative)
Battery	4000 mAh, >3.6V, Li-ion (rechargeable), Runtime 1 year per charge (@ 1 ping per day)
Charging	8-unit charging rack (micro-USB)
Enclosure	PC+ASA plastic; IP67-rated Hermetic Integrity
Dimensions	85 x 50 x 20 mm
Weight	122g
Indicators & Operators	Alerts, Status LEDs, Button
Operating Temp	-20 C to +60 C
Certification	DO-160, FCC/IC, PTCRB, Verizon
Warranty	1 year Manufacturing Defect and Workmanship on Device and Parts