

Micro Asset Tracker

NMS MT100 SPECIFICATION SHEET



OVERVIEW

Ideal for for any setting, the NMS MT100 micro tracker is an ultra-low profile, compact asset tracker that integrates LTE / NB-IoT, modem, antenna, and a long lasting battery all into one. The NMS MT100 is suitable for insertion into envelopes, small or large packaging, is reusable and completely waterproof with an IP54 and IP65 rating. Other applications for the NMS MT100 include the tracking and theft prevention of luggage, remote goods and tools. Real-time GPS location of your assets are viewable through the NovaAssure platform and mobile app.

HIGHLIGHTS

- LTE Cat-M1 / NB-IoT
- WiFi / Bluetooth BLE
- Integrated cellular and GNSS antenna
- Integrated accelerometer
- BLE5.0 support, low power consumption
- Over the air configuration and firmware update
- Platform configuration / battery indicator
- Multi-year battery life
- Easy installation
- IP54/65 Rating (waterproof)
- Device is the size of a business card

BENEFITS

- Multi-Carrier Device
- Simple / Discrete Installation
- Low Cost / Easy To Use
- Quick setup and go



SPECIFICATION

Communication	LTE-M/NB-IoT
Bands	Worldwide 17 bands coverage
Protocol	CoAP over UDP
Outdoor Localisation	Assisted GPS, Galileo* / Cell-ID fallback
Battery	Li-Ion Polymer (LIP) or Li-MnO ₂
Time To First Fix	0.5 to 2sec
Accuracy	3 to 5m
Indoor Localisation	Wi-Fi Positioning System (Optional)
Features / Wake-up	Accelerometer, Shock detector, Temperature sensor
Temperature Sensor	+/- 1.0°
Compliance	CE, FCC, ROHS, UN38.3
Rating	IP54 or IP65
Material	ABS plastic / Polycarbonate
Charging Temperature	0...+40°C

VERSIONS



Ultra



Plus



Long

	MT 0xx	MT 1xx	MT 2xx	MT 3xx	MT 4xx	MT 5xx
Size / Weight	82.6 x 35.2 x 3.0 mm -13g		82.2 x 34.8 x 5.0 mm - 16g		82.2 x 34.8 x 7.7 mm - 20g	
Battery	150mAh/Li-Ion	150mAh/Li-Ion	600mAh-Li-MnO ₂	300mAh/Li-Ion	1200mAh-Li-MnO ₂	600mAh/Li-Ion
Recharge	-	Wireless charging (2H)	-	Wireless charging (2H)	-	Wireless charging (2H)
Autonomy	Up to 1 year – 1fix/day	Up to 1 year – 1fix/day	4 year – 1fix/day	2 year – 1fix/day	8 year – 1fix/day	2 year – 1fix/day
Operating Temp.	-20...+60°C	-20...+60°C	-40...+60°C	-20...+60°C	-40...+60°C	-20...+60°C
Indoor Localisation	Wi-Fi Positioning (Option)					
Rating	IP54, CE, FCC, ROHS, UN38.3		IP65, CE, FCC, ROHS, UN38.3			