



Ultra-Thin IoT Asset Tracker

TRACKMINI PLUS



PRODUCT DESCRIPTION

The TrackMini™ Plus is the thinnest product family from iDTRONIC and is designed for discreet asset tracking applications where minimum size and low weight are required.

The device can be easily attached to small non-powered assets, parcels, valuable goods, tools, and equipment. It combines Assisted GPS positioning, LTE-M / NB-IoT communication, integrated sensors, embedded eSIM options, and NFC-based configuration in an ultra-thin housing.

The TrackMini™ Plus is available as a rechargeable version with wireless charging. Depending on the selected communication model, the tracker can also support Bluetooth beacon positioning, Wi-Fi positioning, or combined Wi-Fi and Bluetooth indoor localisation.

APPLICATIONS

- Discreet Asset Tracking
- Mail & Parcel Shipment
- Valuable Goods Tracking

FEATURES

- Assisted GPS outdoor localisation
- Optional indoor localisation via Wi-Fi and Bluetooth beacons
- Fallback Cell Tower location
- LTE-M / NB-IoT communication
- Motion detection
- Temperature, Shock, Pressure and Humidity Sensor
- NFC app for configuration

TECHNICAL DATA

LOCALISATION

Outdoor Localisation	Assisted GPS
Indoor Localisation	Optional Wi-Fi positioning / Bluetooth beacons
Fallback Localisation	Cell Tower Location
Accuracy	3 m to 5 m CEP50, open sky
Time-to-First-Fix	0.5 to 2 s, open sky
Relative Altitude	Supported via Pressure Sensor

COMMUNICATION

Cellular Technology	LTE-M / NB-IoT
Coverage	Worldwide 17 bands
Frequency Bands	European, North American and Asian Pacific bands
Protocol	CoAP over UDP
Integration	API, HTTPS Webhook
SIM	Embedded eSIM

FEATURES & SENSORS

Temperature Sensor	-40 °C to +60 °C, $\pm 0.5\text{ °C}$
Pressure Sensor	300–1200 hPa, ± 1 hPa absolute accuracy
Shock Sensor	Single tap sensor
Wake-Up	Motion detection, flight mode, NFC
Shipping Mode	Activable via NFC
Configuration	NFC application

POWER

Battery Lifetime	Up to 1 year, 1 fix/day
Battery	600 mAh Li-Po
Wireless Charging	Yes
Reusable	Yes

PHYSICAL SPECIFICATIONS

Dimensions	84.6 x 36.6 x 7.7 mm
Weight	25 g
Housing	ABS / PC
Operating Temperature	-20 °C to +60 °C
Protection Class	IP65
Installation	Adhesive mounting on asset surface

APPLICABLE STANDARDS

Compliance	CE, FCC
Protection Rating	IP65

ORDER CODES

VERSIONEN

TrackMini Plus

ORDER CODES

IOT-TR-CE-AT-4302