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NEW

TrackMini

A slim, rechargeable Asset Tracker designed for both indoor and outdoor areas. Packed with advanced sensors and compatible with LTE-M and NB-IoT networks, this cutting-edge device ensures superior asset management and tracking efficiency.

Contact us at info@pyliot.com
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Indoor/Outdoor Use
Effortless tracking through combination of GNSS, WiFi AP Address Scanning and Cell Tower Location

Rechargeable Battery
Quick recharging with magnetic pogo charging port and low battery alerts

Interaction Button
Programmable button e.g. for triggering transmissions or for switching device On/Off

Condition Monitoring
Track environment through built-in Temperature, Humidity, Air Pressure, Lux sensors and external BLE sensors

Compact & Robust
Engineered with industrial-grad housing withstanding brief water submersion and fine dust

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| TrackMini | Model 800 |
| ID | 001793642154 |

110 x 45 x 9 mm

Industrial Housing

CONNECTIVITY

LTE-M/NB-IoT Modem	Certified LTE bands: B1-B5, B8, B12-B14, B17-B20, B25-B26, B28 and B66
Integrated SIM	Embedded SIM (MFF2 format) Customer-supplied option available (MOQs apply)

LOCATION

Application	Indoor/Outdoor
GNSS	GPS, QZSS
WiFi Location Scanning	Location based on available WiFi AP and may work as fallback for indoor applications
Cell Tower Location	Location determination through triangulation of nearby cellular towers and may work as fallback

SENSORS

Temperature	± 0,2 °C accuracy -40 °C to 125 °C operating range
Humidity	± 1,8 % RH accuracy 0 to 100 % RH operating range
Air Pressure	± 4 mbar accuracy
Lux	Rejects > 99% (typical) of IR over ±85° angle of incidence
3-Axis Accelerometer	Movement Detection and High-G-Force Events
External	Wireless BLE sensors

BATTERY

Rechargeable Battery	3,7 V 1100 mAh (more options will be released in due course)
Recharging	Magnetic Pogo Pin charging port 20-way charging station available
Life Estimate	Depends on logging and publish interval, both of them can be configured independently Up to 4 years (24h publishing interval) Battery life also varies based on factors like temperature, device placement, location update frequency, network signal strength, sensor and peripheral usage, and accelerometer settings

ENGINEERING

Model	INDUSTRIAL	SLIM	STAFF
Dimensions	110 x 45 x 9 mm	95 x 45 x 9 mm	107 x 45 x 9 mm
Weight	46 g	45 g	45 g
Housing	Anthracite ABS	Anthracite ABS	Anthracite ABS
Rating	IP67	IP67	IP67
Mounting	Screws, bolts, tie wraps, rivets, glue or double-sided tape	glue or double-sided tape	Wearable with lanyard or pocketable
Operating Temp.	-20 °C to 60 °C	-20 °C to 60 °C	-20 °C to 60 °C
Interaction Button	Customisable for provisioning, manual transmissions, emergency and other		
Front Panel LED	Indicates device connectivity and operation status		
Internal Memory	1 MB flash memory to store logging data		

CUSTOMISATION

Front Panel Sticker	Can be designed individually (MOQs apply)
Housing Colour	Can be designed individually (MOQs apply)

DATA

IoT Platform	pyliot App (hosted in Germany)
Integration	Third-Party Integration via API available

OPERATING MODES

Motion-Based Logging	Detects when device is on the move and starts logging and publish data
Timer-Based Logging	Sends data updates based on set time intervals
Shutdown Mode	When stationary, the device switches to sleep mode to conserve battery and efficiently manage data usage, only reactivating when movement is detected
Offline Logging	When there is no connection, the device records data and automatically uploads as soon as connection is restored
Auto-Flight Mode	Automatic disconnection of connectivity when flight usage is detected
Usage Duration Monitoring	Captures usage time based on movement detection
Impact Detection	Detects high-impact events and may inform if (user-defined) threshold is exceeded

DEVICE HANDLING

Configuration	Logging interval, publish interval, movement and accelerometer settings, button mode, power-saving settings can be configured for your application
Update	Firmware and configuration update over-the-air (OTA)
Configuration Tool	pyliot provisioning layer or custom

COMPLIANCE

Regulatory	CE, FCC, RoHS, UN38.3

TrackMini Industrial
110 x 45 x 9 mm

TrackMini Slim
95 x 45 x 9 mm

TrackMini Staff
107 x 45 x 9 mm