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IoTLink Pack

Wireless Multi-Functional IoT Tracker/Transmitter

IoTLink Pack is a battery-powered self-contained device, offering both Track and Monitoring applications. The Pack is capable of reporting directly to a cloud server or via cellular gateway such as ERM's StarLink family of telematics devices.
It is designed to use very low power consumption to maintain the longest as possible operation period

IoTLink Pack offers immediate and wireless implementation in any application without the need of wiring or external power source of any kind.

IoTLink Pack is a great solution for visible or concealed tracking.
Using ERM's special power management technology, the Pack will transmit its location and additional alerts for long period of time without the need of recharging.

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FEATURES

1. Cloud connectivity via Cellular communication
2. Vicinity connectivity via Standard Short-Range communication
3. No installation required
4. Remote configuration and management (FOTA)
5. Rechargable battery
3. Command controlled transmittion profiling for power endurance

Modes

Tracking	**Purpose:** Regular tracking **Explanation:** The device will be used as a tracker, continuesly transmit its location and other parameters in pre-defigned time intervals.
Idle	**Purpose:** Power conservation is important, and the system only watns to know that the device is alive **Explanation:** The device transmits its location in pre-defigned time intervals. A set of conditions can be configured to Automatically change mode to Tracking or Manually by a command sent from the server.
Moving / Stop	**Explanation:** The device will transmit its location and configured parameters every time its started to move and when it stopped moving.
Auto Tracking	**Explanation:** The device will automatically switch modes between Idel to Tracking based on pre-defigned conditions.
Manual	**Purpose:** When power consurvation is critical. **Explanation:** The device will transmit location and pre-defigned parameters for a pre-defigned period of time and time intervals

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TECHNICAL SPECIFICATIONS

Cellular	4G LTE CATm-1 / NB-IoT with optimized embedded antenna.
Location	GPS/GLONASS/GALILEO , Active antenna, Sensitivity -165 dB, NMEA, Acquisition (normal): cold <34s, warm <30s, hot <1s, accuracy: 2.5m CEP Embedded optimized antenna
Communication	Text messages, TCP/IP over GPRS/UMTS/EDGE/HSPA, Standard short range communication module v4.0, 2.4Ghz (in iRF Variant)
Power Supply	Internal rechargable battery 3.6VDC, 4,400mA
Configuration / Firmware Update	OTA, parameters setup, software programming
Data Logger	Up to 1,000 messages

ENVIRONMENT

Operating Temperature	-20 to 70° C
Storage Temperature	-40 to 85° C
Dimensions	9.39cm x 4.5cm x 2.74cm
Weight (NET)	100gr
Max. Relative Humidity	90(±5)%

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