mTracker

Industry 4.0 IoT device for real-time Tracking and sensing

Elpis mTracker is an IoT enabled industry standard, compact, ruggedized solution for asset management and utilization (OEE). The device is a miniature GSM/GPS 4G based device with battery backup for monitoring & tracking movable and non movable assets. The device comes with digital Inputs that are used to capture information of the connected equipment such as On/Off, Operations time, break down detection. The device also triggers alerts, alarms in case of emergencies or if asset is moved out from desired location or crosses Geo fence.

Our Cloud/On Premises E-REMOS Server Application Software enables real time data monitoring and analysis of data collected through the mTracker device. This E-REMOS Application provides customizable dashboard with variety of graphical reports for smart decision making.

KEY FEATURES	ENABLERS	INDUSTRIES
• Real-time Location • View, Monitor & Report • Battery Status • GSM Strength & Status • GEO Fencing • Rugged & Robust • Digital Inputs for status	• Control on fleet costs • Reduced manual costs • Increased Asset life • Asset safety & security • Prevent unauthorized usage • Report & Analytics	• Fleet Management • Industrial Assets • Taxi Dispatch System • School Bus Management • Logistics Management • Emergency Vehicle

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Our Products: Data Acquisi on Systems, Loca on Based Solu ons, Data Analy cs Solu ons, OPC Products
Our Solu ons: Industrial Automa on So ware, Customer Enterprise Solu ons, Cloud & Embedded IOT Mobile Dev
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Data Sheet:

Hardware	
Communication	4G/3G/GSM/GPRS with CAT1 Supports (US/Asia/Europe/Australia)
GPS Accuracy	5-10m
GPS Sensitivity	Cold start -148dbm, hot start -162dbm
GPS Positioning Time	Cold start <=40s; warm start: <32s, hot start: 5s
Peripherals and Accessory	
GPS and GSM	External Antenna
Battery	Rechargeable Li-Ion Battery
Battery Backup time	30 Days
Battery Charging	USB or Standard Charger 450mA, 6 Hours of Charging time
Digital Inputs	
No. Of. Channels	5 Digital Inputs no(24V)
User Environment	
Working Temperature	–10C to +65C
Humidity	5% to 95%
Software	
Geo Fencing support	Yes
SMS/Email Alerts	Yes
Physical Characterisation	
Enclosure	Plastic / Aluminium
Dimension	70x75x30 mm (WxLxH)
Weight	100g

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