TELETRACK

PX101

Cellular CAT-M1

Rugged and robust vehicle, trailer, or heavy equipment tracking device with inputs/outputs, remote immobilisation for fleet management, crash detection, driver behavior, theft recovery, and more

Real-Time Tracking
High-precision GNSS wired tracking device

Inputs/Outputs
1 x Ignition Digital Input, 2 x Digital Outputs, 1 x SOS Input, 1 x Remote Output Control

Backup Battery
Internal Backup Battery in case of loss of power or tampering

Driver ID
Configure with Prostart®

Driver Behavior
Run hour monitoring, accident and rollover detection, speeding, harsh braking and cornering, and more

Remote Immobilization
Immobilisation option to safely disable vehicles and equipment remotely

IP Rating
IP67 Protection rating

Network/Operating Band

Operating Band	LTE FDD Cat 1: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B18/B19/ B20/B25/B26/B28/B66 LTE TDD Cat 1: B34/B38/B39/B40/B41 GSM:850/900/1800/1900 MHz
Data Transmission	LTE-FDD:Max.10Mbps (DL), Max.5Mbps (UL) LTE-TDD:Max.8.96Mbps(DL), Max.3.1Mbps (UL) GPRS: Max. 85.6Kbps (DL), Max. 85.6Kbps (UL)

GNSS

GNSS Chipset	HD8120
Parallel GNSS	GPS+Beidou+Galileo+QZSS (SBAS)
Receiver type	24 tracking / 66 acquisitions- channel GNSS receiver
Sensitivity	Acquisition: –148 dBm Tracking: –161 dBm Reacquisition: –158 dBm
Horizontal Position Accuracy	Autonomous: < 1.5 m CEP
TTFF @ –130 dBm with (without) EASY™	Cold Start: < 20s (30s) Warm Start: < 2 (2s) Hot Start: < 2s (2s)

Interfaces

Digital Input (ACC)	For ignition detection (input range 0–32V, 5≤: ignition on,≤2V ignition off, from 2V to 5V: unstable status)
Parallel GNSS	GPS+Beidou+Galileo+QZSS (SBAS)
Receiver type	24 tracking / 66 acquisitions- channel GNSS receiver

General

Ingress Protection Rating	IP67
Dimensions	105.7mm x 57.6mm x 16.8mm(4.16" x 2.26" x 0.66")
Weight	55g (1.94oz)
Battery	Li-Polymer 200 mAh/ 3.7V
Operating Voltage	5V to 32V DC
Operating Temperature	–30 ~ +80 (–22°F ~ 176°F)
Storage Temperature	–40 ~ +85 (–40°F ~ 185°F)

Air Interface Protocol

Transmit Protocol	TCP, UDP, MQTT, SMS
Protocol Check & Encryption Support	MD5/ AES256
BLE Accessory Support	Yes
Scheduled Timing/angle/distance Report	Report position and status at preset intervals
External Power Status Alarm	Report when external power is disconnected
Low Power Alarm	Report when backup battery is low
Speeding Alarm	Report when speed exceed the pre-set value
Towing Alarm	From internal 3-axis acceleration
Remote Control	Remote output control
Network Signal Jamming Detection	Report network jamming
Data Roaming Control	Avoid additional data consumption
Driving Behavior Monitoring	Harsh braking, acceleration and turning events
Crash Detection	Accident data collection for reconstruction and analysis

Industry Certifications

Certifications	FCC/CE/RCM/NBTC/TDRA/CITC/Emark/Anatel