

TK100S is a rugged, portable asset/covert tracker which is able to be quickly mounted on the metal surface of the valuable asset (i.e. chassis, container) by its strong magnets. It's equipped with a high capacity rechargeable battery which makes TK100S suitable for asset related monitoring applications.

TK100S adopts Qi certified wireless charging solution to resolve the hassle of charge cables; besides, device configuration can be done wirelessly via Bluetooth.

In addition, the introduction of ASA resin instead of traditional ABS and PC plastic not only maintained the main characteristics of the ABS and PC, it also combines the weather resistance advantage of acrylic to extend the product application for outdoor purposes.

TK100S

Suitable Applications:

- Container and Mobile Asset
- Trailer and Caravan
- Construction Equipment
- Plant Machinery
- Boat and Motorcycle

GNSS Portable Magnetic Asset/Covert Tracker



Industrial Strength Magnets

Mounted on any metal surface in a second



Large Memory Size

Event can be stored and delivered to the backend server



Detach Alert

Alert triggered when device is being removed



Rugged and Compact

Can be placed in any challenge position



Geo Zone

Instant location entry and exit alerts



Ultra-Long Battery Lifetime

Rechargeable high capacity battery embedded



Weatherproof

IP67 water and dustproof design



GPS Real-time Location

Event tracking, continuous tracking



ASA Resin for weather resistance

Significantly extend durability for outdoor purposes



Core Features:

- Ultra-long standby time
- Qi wireless charging
- Bluetooth supported
- Crypto authentication
- AGPS supported
- Intelligent power saving modes
- Detach button for tampering alert
- Multiple geo-fence zones
- Configurable real-time tracking and logging
- Get location by making phone call
- GSM jamming alert
- Motion report
- FOTA by FTP

Product Specifications

GNSS Features		Antenna	
Chipset	Mediatek MT3333 supports GPS/GLONASS/BEIDOU WAAS/EGNOS/MSAS/GAGAN/QZSS	GNSS	Internal patch antenna
		Cellular	Internal PCB antenna
		Bluetooth	Built-in
Sensitivity	-165dBm tracking	On Board	
AGPS	Supported	Memory	8M bytes internal memory
Cellular Features		3-axial accelerometer	Built-in
Technologies	3 models available (2G) Quad-band GSM/GPRS (4G) GSM/LTE CAT-M1/LTE NB-IOT (4G) GSM/HSPA/LTE CAT1	LED indicator	Red: Power Orange: Cellular Green: GNSS Blue: Bluetooth
Electrical		Bluetooth	Supports BT3.0 and BLE
Battery	6800mA/h Li-ion rechargeable	USB	Micro USB
Power Consumption (2G)	Sleep: <140 μ A Operating: <89mA*	SIM type	Micro SIM
		Environmental	
Power Consumption (LTE CAT-M1/NB-IOT)	Sleep: <140 μ A Operating: <100mA*	Plastic casing	ASA Resin, anti-UV
		Operating temp.	-20 ~ +60 $^{\circ}$ C
Power Consumption (LTE CAT1)	Sleep: <140 μ A Operating: < 107mA*	Physical	
		Waterproof	IP67 water and dustproof
		Dimensions (L x W x H)	116.5 x 48 x 42.5mm
		Weight	256g
		Mount	Magnets/Cable Tie Screws/Epoxy

* Measurement based on real-time tracking reports sent to the back-end server per minute

All specifications are subject to change without notice



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