

TK200S

GNSS Portable Magnetic Asset/Covert Tracker

Suitable Applications:

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



Core Features:

- Ultra-long standby time (available on EB)
- 2 input / 2 output (available on PP)
- Up to 36V input voltage (available on PP)
- Bluetooth supported
- 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

TK200S 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. TK200S is available in two models depending on its functionality: TK200S PP (Permanent Power Source) and TK200S EB. (Extended Battery)

With its 1-meter P/I/O cable, TK200S PP is able to be powered by vehicle's battery which make the installation permanent and allow reporting when vehicles are running. TK200S PP is also supporting two inputs and two outputs, the input can be triggered to identify if options are on; the output is capable of triggering external relay.

To extend the battery life of the first generation TK100S, TK200S EB is equipped with a 10200mA/h rechargeable battery which is able to extend 30% operation hours compared to the TK100S.

Besides, TK200S supports BLE wireless connectivity for multiple external sensors, i.e. temperature and humidity sensor, fuel level sensor, door sensor, and panic switch etc.



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

Product Specifications

GNSS Features		Antenna	
Chipset	Mediatek M3333 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	10200mA/h Li-ion rechargeable ^{*EB}	USB	Micro USB
Power Consumption (2G)	Sleep: <140µA Operating: <89mA*	SIM type	Micro SIM
		Environmental	
Power Consumption (LTE CAT-M1/NB-IOT)	Sleep: <140µA Operating: <100mA*	Plastic casing	ABS, anti-UV
		Operating temp.	-20 ~ +60°C
Power Consumption (LTE CAT1)	Sleep: <140µA Operating: < 107mA*	Physical	
		Waterproof	IP67 water and dustproof
		Dimensions (L x W x H)	116.5 x 75 x 42.5mm
Power Consumption (LTE CAT1)	Sleep: <140µA Operating: < 107mA*	Weight	370g ^{*PP} ; 325g ^{*EB}
		Mount	Magnets/Cable Tie Screws/Epoxy

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

** BT3.0 is only available in 2G model

All specifications are subject to change without notice



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