



Model TC80

- › Long Standby Time, more than 300 Days
- › Thin, Small and Light(13.6x59x88mm,75g)
- › Internal 3-axis G-sensor for Motion Detection

Model TC80, is optimized for assets tracking. It will operate autonomously for more than 300 days under optimal configuration, which is an ideal self-contained device for long term tracking deployments. Its built-in 3-axis G-sensor allows TC80 to detect asset movement and transmit an alert message. Its friendly thin size (13.6mm) design can be easily strung on the necks, use like an access card, or fix it on the objects, which are easy hidden.

Advantages:



- Long Standby Time, more than 300 Days
- Thin, Small and Light(13.6*59*88mm,75g)
- Internal 3-axis G-sensor for Motion Detection
- Quad band GSM/GPRS 850/900/1800/1900 MHz
- GPS and GSM Base Station Bi-Module Positioning
- Low Power Consumption with Inbuilt Battery
- Data communication by SMS/TCP/UDP
- Internal GSM/GPS Antennas for Free Installation
- Geo-fence Alarm When Step In and Out Preset Areas
- Low Battery Alarm by SMS
- Water Resistant, Anti-dust
- FOTA (Firmware-Over-The-Air)



Model TC80

General Specifications

Dimension	13.6X59X88 mm
Weight	75g
Backup Battery	3V/3000 mAh
Standby Time	1 Report Per Day: More than 300days 5 minuted Reporting: More than 85hrs
Firmware Upgrade	FOTA (Firmware Updating via GPRS)

Interfaces

GSM Antenna	Internal
GPS Antenna	Internal

Environment

Operating Temperature	- 40 °C to 60 °C
Storage Temperature	- 40 °C to 85 °C
Working Humidity	Up to 95% Non-Condensing

GPS

Transmit Protocol	TCP, UDP
Sensitivity	Acquisition -148dBm Tracking -165dBm Reacquisition -160dBm
Acquisition	Cold Start <35Sec Warm Start <30 Sec Hot Start <1
Position Accuracy	Autonomous<2.5m

GSM

Frequency	Quad-Band GPRS Radio 850/900/1800/1900MHz Compliant to GSM phase 2/2* Class 4 (2W @ 850/900MHz) Class 1 (1W @ 1800/1900MHz)
GPRS	Multi-slot Class 10 Mobile Station Class B
SMS	Text-data

Vertical Markets

Asset Tracking:

ATM Machines, Vending Machines, Hazardous Materials, Construction Materials or Equipment, Pharmaceuticals, Refrigeration Units, Luggage etc.

Transportation Tracking:

Cargo, Containers, Rail, Marine, Dispatch Service, Truck, Motorcycle, and other Vehicles, etc.

