



Model TC85

- › Super Long Standby Time more than 1000 Days
- › Water Resistant, Anti-Dust
- › Internal 3-axis G-sensor for Motion Detection

Model TC85, is designed for assets tracking, especially for container tracking. The certified quad-band 850/900/1800/1900 MHz coverage provides complete GSM/GPRS communications to help you monitoring the high valued objects simply and easily. The unique design of water resistant and anti-dust provides an optimal solution for protecting against temperature, dust, and water spray.

Its built-in 3-axis G-sensor allows TC85 to detect asset movement and transmit an alert message. Four built-in batteries with 8000 mAh, with super low power consumption, by optimally configure, it will operate autonomously for more than 1000 days, which is an ideal self-contained device for long term tracking deployments.

Advantages:

- Super Long Standby Time more than 1000 Days
- Water Resistant, Anti-Dust, IP66
- 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
- Track on Demand by Mobile Phone/Web Base
- Internal GSM/GPS Antennas for Easy Installation
- Geo-fence Alarm When Step In and Out Preset Areas
- Low Battery Alarm by SMS
- FOTA (Firmware-Over-The-Air)
- CE/RoHS certified





Model TC85

General Specifications

Dimension	33X59X108 mm
Weight	95g (without magnets)
Backup Battery	3.6V/8000mAh
Standby Time	1 Report Per Day: More than 1000 Days 10 minuted Reporting: More than 380 hrs 5minuted Reporting: More than 200 hrs

Firmware Upgrade:

FOTA (Firmware Updating via GPRS)

Interfaces

GSM Antenna	Internal
GPS Antenna	Internal

Environment

Operating Temperature	- 40 °C to 60 °C
Storage Temperature	- 55 °C to 85 °C
Working Humidity	Up to 95% Non-Condensing

Vertical Markets:

Asset Tracking:

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

Transportation Tracking:

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

GPS

Transmit Protocol	TCP, UDP
Sensitivity	Acquisition -148dBm Tracking -165dBm Reacquisition -160dBm
Acquisition	Cold Start <35Sec Warm Start <30 Sec

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

