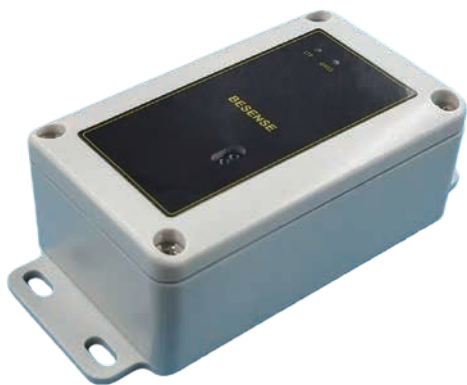




IP68 Tracker --TC88

- › Up To 14 Years Life Time.
- › IP68 Waterproof
- › Customized Sticker With Client's Logo

Pretrace's Asset Tracker TC88 is a ultimate solution for seamless tracking and monitoring of your valuable assets. With its excellent communication capabilities over Satellite / 4G / CAT M / NB-IoT / LoRaWan / Sigfox, this versatile tracker comes in three versions to cater to all your tracking needs.

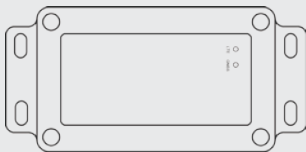
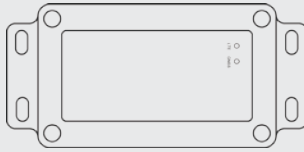
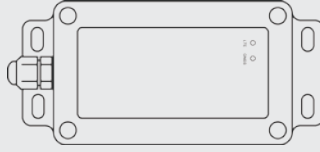
The non-rechargeable version TC88-N ensures long-lasting performance. For those who require frequent tracking updates, the wireless recharged version TC88-Q is perfect for you. Need real-time tracking and additional functionality? Look no further than our external power input version. With three inputs/outputs, you have the flexibility to customize and enhance your tracking experience according to your specific requirements.

Advantages:

- Communication over Satellite / 4G / Cat M / NB IoT / LoRaWan / Sigfox.
- More than 12 years working time (with non-rechargeable battery).
- IP68 waterproof level, fit for outdoor applications.
- Inbuilt 3-axis accelerometer for motion and tilt detection.
- Inbuilt gnss antenna and network antenna, optional external antennas.
- Backup positions memory for failed reporting.
- FOTA(Firmware-Over-The- Air).
- Optional Temperature and Humidity sensor for cold chain usage.
- Optional Distance sensor for Distance/Level measurement.
- Optional Radar sensor for Human moving detection.



TC88 Specification

Model	TC88-N	TC88-Q	TC88-S
Shape			
	Non-rechargeable	Recharged by QI wireless	Recharged by external power
Bands/Regoins			
TC88-X4	4G LTE: Global		
TC88-XM	Cat M & Cat NB: Global		
TC88-XN	Cat NB2: Global		
TC88-XT	IoT NTN: L-Band(B255), S-Band(B256, B23)		
TC88-XL	LoRaWan: EU868 / US915 / AU915 / AS923 / KR920 / IN865		
TC88-XS	Sigfox: RCZ1 / RCZ2 / RCZ3 / RCZ4 / RCZ5 / RCZ6 / RCZ7		
GNSS			
GNSS Systems	GPS, BDS/GLONASS, Galileo, QZSS		
Sensitivity	160 dBm		
Position Accuracy	< 5m		
TTF	Cold Start: < 28 Sec, Hot Start: 2 Sec		
Optional Sensors			
PT100 sensor	Range: -200.0 ~ +180.0 °C	Application: Cryogenic refrigeration, Medical transport	
Distance Sensor	Range: 3~400 cm	Application: Tank/Container/Trash Bin/Sewer level monitoring	
Microwave Sensor	Range: 5~400 cm	Application: Human detection, Hunting trap	
Leakage Sensor	Application: Water/Liquid leakage detection (non-touching)		
Power			
Battery Capacity	3.6V 17000 mAh	3.7V 5200 mAh	3.7V 5200 mAh
Charger / Input Power	None	5V 500mA QI wireless charger	11.2-36V / 2A DC
Battery Life	>14 Years(1 Report / Day)	>20 Days(1 Report / 10 Minute)	No limitation @ external power
	>7 Years(2 Report / Day)	>115 Days(1 Report / Hour)	>110 Days(1 Report / Hour)
General			
Dimension	126*60*40 mm	126*60*40 mm	126*60*40 mm
Weight	280g	300g	305g
Operating Temperature	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C
Working Current	30mA~100mA @3.6V	30mA~100mA @3.7V	10mA~35mA @12V
Sleeping Current	45μA	45μA	55μA
Protocol	TCP/UDP/MQTT	TCP/UDP/MQTT	TCP/UDP/MQTT
Log Saving	2000 pcs	2000 pcs	2000 pcs
SIM Type	Nano Sim	Nano Sim	Nano Sim
Interface	Optionnal	Optionnal	Digital input/Analog input/RS485

