



PT-AT086 Location Tracker

iAS PT-AT086 is an advanced asset-tracking device with communication capability over Satellite, LTE, Cat M, NB IoT, LoRaWAN, and Sigfox. This provides multiple choices for your application. PT-AT086 has a large battery for long life-time operation and features an integrated accelerometer for precise motion detection. It also offers the option to include temperature, humidity, pressure, and illuminance sensors for comprehensive environmental monitoring. To seamlessly integrate sensors, an RF module can be added to support additional sensors without wiring. With its versatile connectivity options and optional sensor add-ons, PT-AT086 offers a comprehensive solution for asset monitoring and management across various industries.

Features

- Communication over satellite / 4G / Cat M / NB IoT / LoRaWan / Sigfox.
- More than 10 years working time (with non-rechargeable battery).
- IP66 waterproof level, fit for outdoor applications.
- Percentage value for battery power indication.
- Inbuilt 3-axis accelerometer for motion and tilt detection.
- Inbuilt gnss antenna and network antenna, optional external antennas.
- Optional Temperature and Humidity sensor for cold chain usage.
- Optional LUX sensor for light detection or illuminance measurement.
- Backup positions memory for failed reporting.
- FOTA (Firmware-Over-The- Air).



Specification

Working Current	30-100mA
Sleep Current	30uA~100A @3.6V
Network Antenna	Internal
GNSS Antenna	Internal
Sim Type	Micro Sim / Esim
Transmit Protocol	TCP,UDP @2G,3G,4G,NB IoT network
Log Saving	2000 records
Waterproof Level	IP66
Operating Temp.	-40°C to 85°C
Storage Temp.	-40°C to 85°C
Operating Humidity	Up to 95% Non-Condensing
Dimension	103 x 58 x 35 mm
Weight	180g
GPS Sensitivity	Tracking -167dBm
	Reacquisition -156dBm
	Acquisition -147dBm
GPS Accuracy	<5m
Power	Batt. Capacity: 3.6V 7200 mAh
Standby Time	>6 Years (1 Report/Day) @ 2G,3G,4G network >10 Years (1 Report/Day) @ NB IoT, LoRaWan, Sigfox network