![ATLANTA - Innovative IOT Solutions]

Product Specification

AM-100
GNSS | GSM

The AM-100 is a robust asset tracking device, boasting magnetic mounting and an IP67 rating for waterproof and dustproof reliability. With a tamper sensor and extended battery life, it is tailored for long-term asset monitoring. This versatile device finds application across logistics, construction, and manufacturing sectors, effectively tracking valuable assets like heavy machinery and shipping containers.

Mounting	**Robust**	**Band**
Magnetic Mounting	Robust, small and easy to install	2G: 850/900/1800/1900 MHz
Ingress Protection	**Battery**	**Memory**
IP67	10,000mAh Li-Po 3.7V	10,000 Log Packets

Trailer Tracking	Valuable Assets	Usage-based Insurance	Construction Equipments	Tenancy

INTERFACE

GNSS Antenna	Internal High Gain
GSM Antenna	Internal High Gain
Indicators	4 LED's (MCU, Charging, GSM, GNSS)
SIM	Micro SIM
USB	C-Type
Memory	10,000 Log Packets
Mounting	Magnetic Mounting

NAVIGATION

GNSS	GPS, QZSS, BeiDou, GAGAN, GLONASS
Channels	22 Tracking / 66 Acquisition Channel
Horizontal Position Autonomous	< 2.5m CEP
Tracking Sensitivity	-161dBm
Velocity	0.1m/s
Hot Start	< 1 sec
Warm Start	< 30 sec
Cold Start	< 35 sec

CELLULAR NETWORK

Technology	GSM
2G Band	850/900/1800/1900 MHz
RF Power	Class 4 (2W@850/900MHz), Class 1 (1W@1800/1900MHz)
Data Transfer	GPRS Multi-Slot Class 12
Coding Scheme	CS 1, 2, 3, 4
SMS	SMS (text/data)

POWER

External Adapter	5V DC, 1A Adapter
Battery	10,000mAh Li-Po 3.7V

OPERATING ENVIRONMENT

Working Current	Sleep Mode < 5mA, Active Mode < 125mA
Operating Temperature	-10 °C to +60 °C (With Battery), -30 °C to +80 °C (Without Battery)
Operating Humidity	5% to 95% non-condensing at +40 °C
Ingress Protection Rating	IP67

PHYSICAL SPECIFICATION

Dimensions	108 x 100 x 46 mm (L x B x H)
Weight	420g

FEATURES

Scenarios	Motion wake up, Periodic tracking on stop / on move
Sensors	Single / Custom sleep mode
Configuration and firmware update	FOTA Web, FOTA, Atlanta Configurator (USB)
SMS	Configuration, Events, Debug
GPRS commands	Configuration, Debug