

# AVO200

## SPECIFICATIONS



## AVO200 TECHNOLOGY

The AVO200 is a simple, easy-to-use tracking device for your high value property. It is small, lightweight and waterproof, allowing you to track almost anything, even in the most extreme environments. The AVO200 uses location-based GPS tracking, but can fall back on text messaging technology if need be. This means you can monitor your assets almost anywhere in the world.

## PRODUCT DESCRIPTION

The AVO200 is designed for the tracking and monitoring of your high value property. It primarily transmits its location information using GPRS, but in areas of poor coverage it will use text messages. This will keep your costs down, while ensuring you do not lose access to valuable real-time, location information. The AVO200 is a GSM quad-band device, so it will operate in most parts of the world.

## KEY FEATURES

### Fixed Time Reporting

You can set start and end times, including tracking cycles.

### Geo-fencing

Set up to 5 safety zones, including creating in and out-zone alerts.

### Location by Cell (Pinging)

When you call the AVO200, it will report its position.

### Speed Sensor

The AVO200 can send an alert when excessive speeds are reached, or when the device starts moving.

### Non-Movement Sensor

If the AVO200 remains in one place without moving, fixed time reporting is automatically disabled to extend battery life.

### Power Status

The device will send out alerts when it is switched on or off, and when the battery power is low or charging.

### Park and Track

The AVO200 will automatically create a safety zone at the current location when the function key is pressed. When movement is detected, you will receive an alert.

### No Installation

Use the AVO200 straight out of the box. Place the device in a briefcase, pallet, box or a cargo bag and start tracking immediately.

## WHY THE AVO200

- > Track your car, ATV, boat, briefcase, pallet or any asset you have
- > Track small packages and high-value cargo
- > Can operate in extreme temperatures
- > Weatherproof and tough casing

## WHO NEEDS AN AVO200

- > Security guards
- > Couriers
- > Drivers
- > Lone workers
- > Anyone with high-value shipments

# AV0200 SPECIFICATIONS

## GENERAL SPECIFICATIONS

### Dimension (mm–H/W/D)

- > 67.5 x 40 x 21 mm

### Weight

- > 60 g

### Housing

- > Waterproof and rugged case
- > IP65 Rated

### OTA

- > Over the air configuration and command interface

## HARDWARE

### Chip Set

- > MTK MT6 223D

### GPS

- > uBlox All-in-One GPS receiver
- > DGPS accuracy 1 to 5m/s, typical 0.05 m/s
- > Acquisition rate:
  - > Standard GPS mode
  - > Hot start <1 second, average in open sky
  - > Warm start <29 seconds, average in open sky
  - > Cold start 29 seconds, average in open sky

### Cellular

- > Quad band GSM 850/900/1800/1900

### Motion Sensor

- > 3D Motion Sensor for motion detection and extended battery life

### Receiver

- > 20 x 14 mm

### GSM/GPS Antenna

- > Internal antenna

### Indicator LED

- > GSM status indicator
- > GPS status indicator
- > Power status indicator

### Buttons

- > Power on/off
- > Programmable button (ie, could use as emergency button)

### IO Interfaces

- > Mini-USB power connector for charging and connecting external power supply
- > MMCXX RF Connector for connecting an external GPS antenna
- > 1x Digital Input Port

### Operating Temperature

- > -20° to +55°C

## PACKAGE CONTENTS

The AV0200 comes in a complete package:

- > AV0200
- > Pouch
- > 950 mAh battery (Li-ion)
- > Screw Driver to insert SIM card
- > User Manual

## ACCESSORIES

Available accessories are:

- > External GPS Antenna
- > External Battery Pack (2000/4000/8000 mAh)

