

# Amber Insight T200

## Multifunctional GPRS/GNSS TRACKER



### BUILT-IN CAN BUS DATA READING CHIP

Reading CAN data from light & electric vehicles, trucks, buses and special machinery



### ECO DRIVING SCENARIO

Achieve efficient fuel consumption, prolong vehicle life and increase road safety



### HELPFUL WIRING GUIDES

Efficient connection with wiring guides for each supported vehicle



### EXTENDED PRODUCT USAGE SCENARIOS

Connect Bluetooth LE-based external devices - Low Energy beacons and sensors to monitor temperature, humidity and movement.

## GPRS/GNSS TRACKER WITH CAN DATA READING FEATURE

AIT200 is an ADVANCED GSM/GNSS/BLUETOOTH@LE tracker with integrated CAN data processor. It is compact 2 in 1 solution: GPS tracker and CAN adapter inside! Device allows to read CAN data from a wide range of various vehicles, including light & electric vehicles, trucks, buses and special machinery. Depending on exact software version AIT200 can be used in advanced applications as heavy logistics, delivery services, utility transport. 2 options available to fulfill any business demands - AIT200 option and AIT201 option.

## Use Cases



Light Vehicles



Heavy Duty Transport



Trailer Tracking



REFRIGERATED Transport



International Logistics



Car Sharing

## Module

Name	AIT200
Technology	GSM/GPRS/GNSS/BLUETOOTH® LE

## GNSS

GNSS	GPS, GLONASS, GALILEO, BEIDOU, QZSS, AGPS
Receiver	Tracking: 33
Tracking sensitivity	-165 dBm
Position accuracy	< 2.5 CEP
Velocity accuracy	< 0.1m/s (within +/- 15% error)
Hot start	< 1 s
Warm start	< 25 s
Cold start	< 35 s

## Cellular

Technology	GSM
2G bands	Quad-band 850 / 900 / 1800 / 1900 MHz
Data transfer	GPRS Multi-Slot Class 12 (up to 240 kbps), GPRS Mobile Station Class B
Data support	SMS (text/data)

## Power

Input voltage range	10 - 30 V DC with overvoltage protection
Internal Back-up battery	170 mAh Li-Ion battery 3.7 V (0.63 Wh)

## Bluetooth

Specification	4.0 + LE
Supported peripherals	Temperature and Humidity sensor, Headset, OBDII dongle, Inateck Barcode Scanner, Universal BLE sensors support

## Physical specification

Dimensions	65 × 56.6 × 20.6 mm (L x W x H)
Weight	55 g

## Interface

Digital Inputs	3
Negative Inputs	1 (Digital Input 2)
Impulse Inputs	2 (Digital Input 1, Digital Input 2)
Digital Outputs	3
Analog Inputs	2
CAN interfaces	1
1-Wire	1
GNSS antenna	Internal High Gain
Cellular antenna	Internal High Gain
USB	2.0 Micro-USB
LED indication	3 status LED lights
SIM	Micro-SIM + eSIM
Memory	128MB internal flash memory

## Operating environment

Operating temperature (without battery)	-40 °C to +85 °C
Storage temperature (without battery)	-40 °C to +85 °C
Operating humidity	5% to 95% non-condensing
Ingress Protection Rating	IP41
Battery charge temperature	-0 °C to +45 °C
Battery discharge temperature	-20 °C to +60 °C
Battery storage temperature	-20 °C to +45 °C for 1 month -20 °C to +35 °C for 6 month

## Features

CAN Data	Fuel Level (Dashboard), Total fuel consumption, Vehicle speed (wheel), Vehicle driven distance, Engine speed (RPM), Accelerator pedal position
Sensors	Accelerometer
Scenarios	Green Driving, Over Speeding detection, Jamming detection, GNSS Fuel Counter, DOUT Control Via Call, Excessive Idling detection, Immobilizer, iButton Read Notification, Unplug detection, Towing detection, Crash detection, Auto Geofence, Manual Geofence, Trip
Sleep modes	GPS Sleep, Online Deep Sleep, Deep Sleep, Ultra Deep Sleep
SMS	Configuration, Events, DOUT control, Debug
GPRS commands	Configuration, DOUT control, Debug
Time Synchronization	GNSS, NITZ, NTP
Ignition detection	Digital Input 1, Accelerometer, External Power Voltage, Engine RPM (CAN Adapters, OBDII dongle)

## Certification & Approvals

Regulatory

Anatel, CE/RED, E-Mark, EAC, RoHS, REACH



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 In App Chat

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 Chat via website [www.amberconnect.com](http://www.amberconnect.com)

Works with Android phones and tablets, iPhone, iPad.  
Compatible with Chrome, Mac and PC web browsers.



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