

Amber Insight T201

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

AIT201 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 AIT201 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 | AIT201 |
| 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

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|--------------------------|------------------------------------------|
| 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

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|------------------|--------------------------------------|
| 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

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|-----------------------------------------|--------------------------------------------------------------|
| 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

 support@amberconnect.com

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Compatible with Chrome, Mac and PC web browsers.



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