

# Amber Covert T200

## Multifunctional GPS Tracker



Configurable DIN/AIN for flexible remote monitoring and control



Allows device to work without external power source



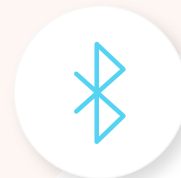
1-Wire® interface to monitor temperature data and RFID/iButton tags



Impulse inputs for fuel flow meters data reading



Negative input will allow easier installation of accessories



Bluetooth for external devices and Low Energy sensors

### **GPRS/GNSS TRACKER WITH FLEXIBLE INPUTS CONFIGURATION**

ACT 200 is ADVANCED tracker with internal GNSS, GSM antennas, configurable digital, analogue inputs and digital outputs, negative input, impulse inputs, Bluetooth connectivity and backup battery. ACT 200 is designed for light vehicles tracking but is also suitable for advanced applications like logistics, delivery services, utility transport and more. It is excellent for refrigerated transport, because it has extended input/output set and 1-wire interface for temperature monitoring. With Amber connect CAN adapters, ACT 200 can be even used in agriculture or construction & mining.

## Use Cases



Light Vehicles



Heavy Duty Transport



Trailer Tracking



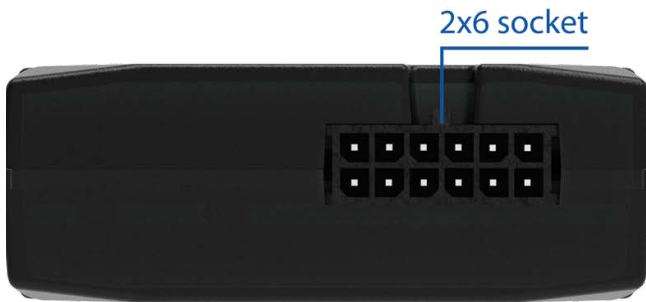
REFRIGERATED Transport



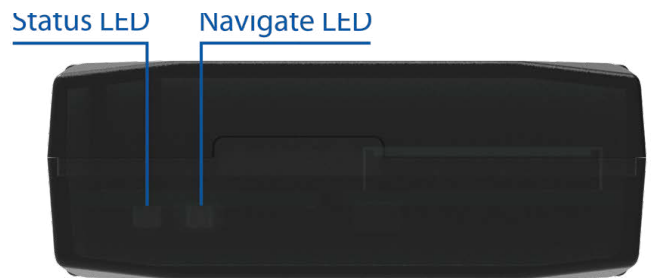
International Logistics



Car Sharing



2x6 socket



Status LED

Navigate LED

## Module

Name	ACT 200
Technology	GSM/GPRS/GNSS/BLUETOOTH

## 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

## 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

## Interface


Digital Inputs	3
Digital Outputs	1 (Digital Input 2)
Analog Inputs	2 (Digital Input 1, Digital Input 2)
CAN Adapter Inputs	3
1-Wire	2
RS232	1
RS485	1
GNSS antenna	Internal High Gain
Cellular antenna	Internal High Gain
USB	2.0 Micro-USB
LED indication	2 status LED lights
SIM	Micro-SIM + eSIM
Memory	128MB internal flash memory


## Features


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
Configuration and firmware update	FOTA Web, FOTA, Amber Configurator (USB, Bluetooth), FMBT mobile application (Configuration)
SMS	Configuration, Events, DOUT control, Debug
GPRS commands	Configuration, DOUT control, Debug
Time Synchronization	GNSS, NITZ, NTP
Fuel monitoring	LLS (Analog), LV-CAN200, ALL-CAN300, CAN-CONTROL, OBDII dongle
Ignition detection	Digital Input 1, Accelerometer, External Power Voltage, Engine RPM (CAN Adapters, OBDII dongle)



Need help? Contact 24/7 live support!

 In App Chat

 [support@amberconnect.com](mailto:support@amberconnect.com)

 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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