

Amber Covert C420

Advanced UBI LTE Device



GPS/BDS/GLONASS/Galileo Positioning

A synergy of multiple positioning systems ensures that locations are accurately displayed on the cloud platform.



Driving Behavior Analysis (Basic)

Receive alerts when any of 8 kinds of dangerous driving behavior is detected.



Multiple Alerts

Instant alerts for atypical events such as collision, speeding, power supply disconnection, geo-fence entry/ exit, etc.



Panic Button

Contact dispatch or emergency support with a discreet, in-cabin SOS button.



INS-aided GPS Tracking

Ensure constant tracking in the area with poor GPS signal or even without it.



Collision Detection

Automatically upload 20Hz IMU data for 10 seconds before and after the collision, as well as the event alarm.



Remote Cut-Off (Fuel/Power)

Immobilize a vehicle by cutting off its power source/fuel supply via an installed relay.



Ignition Detection

Constantly detect the ACC/ignition status of the vehicle.

Advanced UBI LTE Device

Built with an inertial navigation system, the ACC420 is an advanced vehicle tracker capable of providing strong signal acquisition and accurate positioning capability even when the vehicle is in a tunnel, underground parking lot, or other locations without satellite signals. With ACC detection, remote fuel/power cut-off and an SOS button, this powerful device can be customized to streamline your operations and boost efficiency. And the ACC420 is equipped with a 3-axis accelerometer and a 3-axis gyroscope, allowing it to detect 8 types of dangerous driving behavior.



Fleet Management



Usage-based Insurance



Auto Finance

Module

Name	ACC420
Technology	LTE

GNSS

Positioning system	GPS/BDS/GLONASS/Galileo + INS (Inertial navigation system)
Frequency	L1
Positioning accuracy	<2.5mCEP
INS accuracy	<2%
Track sensitivity	-165dBm
Acquisition sensitivity	-148dBm
TTF (open sky)	Avg. hot start ≤ 1 sec Avg. cold start ≤ 24sec

Cellular

Communication network	LTE/GSM
Frequency	ACC420-E: LTE-FDD: B1/B3/B7/B8/B20/B28 LTE-TDD: B34/B38/B39/B40/B41 GSM: 850/900/1800/1900 MHz ACC420-L: LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B28 GSM: 850/900/1800/1900 MHz

Power

Battery	100mAh/3.7V industrial-grade Li-Polymer battery
Input voltage	9-36VDC

Interface

LED indication	GNSS (Blue), Cellular (Green), Power (Red)
SIM	Micro-SIM
Dato storage	128+128Mb
Digital Inputs	ACC
Digital Outputs	Relay

Physical specification

Dimensions	94.3 × 50.4 × 15.0mm
Weight	69g

Operating environment

Operating temperature	-20°C to +70°C
IP Rating	IP65

Feature

Sensors	Accelerometer and gyroscope
Scenarios	Vehicle movement alert, Speeding alert, Geo-fence entry/exit. SOS call, Power supply disconnection, Vehicle battery detection
Driving behavior analysis	Harsh acceleration. Harsh braking, Harsh cornering, Sudden lane change, Collision. Skidding, Rollover, Roll & pitch



 In App Chat

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



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