IoT Tracker AT Fleet

Robust and durable

The CarLoc® AT Fleet, IoT tracker was specially designed for quick installation and universal use. It is installed without additional external antennas inside the vehicle or outside, where it can be exposed to wind and weather. The large selection of interfaces and standard protocols means that it can be connected to current sensors and sub-systems. CarLoc® AT Fleet has reliably accompanied vehicles over the years and gives information about the vehicle position and load status (optional) at any time. High functionality, paired with comfortable configuration options, allow tailor-made operation at minimum cost. The intelligent device logic automatically reports all processes relevant to the transport to the CarLoc® portal – and this worldwide.

CarLoc® AT Fleet provides precise locating (even in difficult environments) using a highly sensitive GPS receiver. Remotely configurable settings, data storage for recordings over several months as well as the option of monitoring up to 6,000 geographical zones supplement the IoT tracker.

IoT tracker AT Fleet

- Precise locating even in a difficult environment

- LTE-enabled - supports the latest mobile data transfer standard

- Autonomous detection of areas that are barred for transport

- Continuous monitoring, even in standby

- 9-axis MEMS sensor for acceleration, angular speed and magnetic field

- Theft protection function; area monitoring, external sensors can be connected

- Mileage recording

- Easy and flexible remote configuration of devices

- Backup battery

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Technical specifications

Power supply	12 - 24 VDC lithium battery pack
Communication	Quad Band GSM 850/900/1800/1900 MHz GPRS, G2, G4 (LTE) and SMS
Geofencing	6,000 geographic zones can be stored on the device
Location	72-channel receiver GPS/QZSS/ GLONASS/Beidou/Galileo accurate to 2.5 m
Data storage	30,000 sensor records, incl. time and position
Protection class	IP67 (IP96)
Temperature range	-20°C to +65°C
Dimensions	Length 133, Width 118, Height 36 mm
Weight	250 g
Connections	Tachograph, door switch, load, level, pressure sensors and up to three temperature sensors (PT100/1000)
Portal	Individualised web portal, high availability and secure hosting in the Swiss Cloud. Integration of third party devices is possible
External interfaces	1x CAN (SAEJ1939), 2x RS232 (114200 baud), 2x digital output (100 mA), 8x digital input (30 V), 4x analogue input (0-28 V/ 16 bit)
Options	Bluetooth LE, 1-Wire/ iButton, lithium battery, 100 days of autonomous operation *depending on the number of connection establishments*