



is proud to introduce the

ATrack

AK11

LTE Telematics Gateway



CE FC RoHS

ATrack's flagship product AK11 Fleet Hub is a versatile LTE device suitable for real-time management of both small and large fleets across various market verticals. Additional WiFi hotspot feature offers other in-vehicle devices LTE network access, and Bluetooth feature offers communication with mobile Android/iOS applications. The compatibility with OBDII, J1939, J1708, and FMS protocols means AK11 is suitable for all vehicle classes. Plug & play adaptors make the installation process quick & easy. Its high sensitivity GNSS design provides fast & accurate vehicle locations, the multiple input/output configurations allows for sensor monitoring, and wired communication interface provides convenient connection to external devices.



4G LTE

Supported LTE Bands: 2, 4, 5, 12, 25, 26



Multiple Vehicle Compatibilities

Major vehicle bus protocol support: OBDII, J1939, J1708 and FMS.



ELD-Ready In-Vehicle Hardware

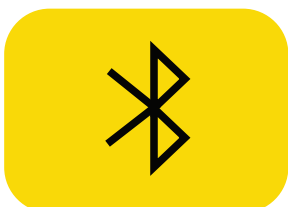
Reads and reports required ECU data parameters for ELD mandate.



Wi-Fi Hotspot

Built-in Wi-Fi hotspot 2.4GHz 802.11b/g/n (optional) for connecting other devices.

* DL: 2.5Mbps / UL: 1.5Mbps Available Nov. 2018



Bluetooth

Bluetooth 4.1 BLE(optional) for IoT applications.

Ideal Market Verticals



Car / Vehicle



Construction Equipment



Heavy-duty Vehicle

Hardware Specification

AK11

MODEL NUMBER	AK11
Dimensions (L x W x H)	6.93" x 3.50" x 1.18" (176 x 89 x 30 mm)
Operating Temperature	-40°C ~ +85°C (without internal battery)
ELECTRICAL CHARACTERISTICS	
Power Supply	8V ~ 36V DC
Backup Battery	Internal 3.7V 920 mAh Rechargeable Li-ion battery
CELLULAR NETWORK COMMUNICATION	
Operating Bands (MHz)	LTE Bands: 2, 4, 5, 12, 25, 26
Cellular Antenna	Internal antenna; Antenna diversity supported.
SIM Card	1.8V/3V Mini SIM (2FF)
GPS	
Receiver	72 Receiver Channels, GPS L1 Band C/A Code, GLONASS L10F, -165dBm
Accuracy	3.0m, CEP, 50%, > 6 SVs
Data Acquisition Rate	1Hz
GPS Antenna	Internal Patch Antenna (Optional - External Active antenna)
GPS Data Buffer Capacity	8 MB
ACCELEROMETER	
3-Axis	Z,X,Y
Resolution	±16g, 400Hz
INTERFACE/INPUT/OUTPUT	
ACC Input	1 Positive Triggered
Digital Input	1 Positive, 3 Negative Triggered {4 Output Port can change to Digital input (2 Positive and 2 Negative Triggered)}
Digital Output	5 Open-Collect Output (Max. sink current 300mA MAX)
Analog Input	1 (0 ~ 40VDC/0 ~ 5VDC, 12 bits resolution) (2 Output Port can change to Analog Input)
1-Wire®Interface	Support up to 1 iButton® and 4 temperature sensors
Built-in Buzzer	1
RS-232 Interface	1(Configurable Baud Rate 1200bps~115200bps)
OBD-CAN BUS/J1939	1
OBDII	1 (Support OBD J1850 protocol)
RS485	1
USB	1 (Mini USB type for configuration only)
CERTIFICATION	
FCC/IC	YES
Sprint	YES
RoHS Compliant	YES

*Specifications are subject to change without prior notice.