

The **ST4500** vehicle tracker supports 4G LTE Cat-M1/NB-IoT with fall back to 2G. The ST4500 is a low-cost tracking solution which simply plugs into the OBD II diagnostic port placed in the vehicle, commonly near the driver's knees or below the steering wheel column. Once you plug the ST4500 into the OBD II port of your vehicle, the device starts tracking and monitoring diagnostic information about the vehicle. Features including, hybrid & electric vehicle support, using Gyro and enhanced three-axis accelerometer.



- Network: LTE Cat M1/NB-IoT
- Detect OBD- II Protocol Automatically
- Read Extensive Engine Diagnostics (User Selectable), DTC and Vehicle ID
- Collect information Fast & Accurate and Notify to user
- Configurable Report Format
- Multiple Report Mode and Condition
- Easily preconfigure for Report Mode
- DPA(Driving Pattern Analysis) / CR(Crash Reconstruction)
- Circular / Polygonal Geofencing
- Maintenance Server Supported

**1 Day**



## Accessories or Options:

Option: Remove OBDII stack information (4500DO)



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Frequency	LTE module for global use; Cat M1, Cat NB1 deployed bands: LTE FDD: B1, B2, B3, B4, B5, B8, B13, B17, B19, B20, B26, B28 LTE TDD: B39 (for Cat. M1 only) EGPRS: 850/1800/1900MHz
Command / Report sent via SMS	MT/MO PDU / Text mode, SMS over SG/NAS
Back-up Server	Supported (via dual IP)
GPS/Glonass Receiver	GPS & Glonass
	GPS L1 band(1575.42MHz), Glonass L1 band (1601.71MHz) SBAS : WAAS, EGNOS, MASA, GAGAN
GPS/Glonass Sensitivity	Tracking -167 dBm
	Reacquisition -161 dBm
	Cold start -149 dBm
I/O Connection	J1939 protocols
	J1850(PWM or VPW) protocols
	ISO9141-2 & ISO14230, K-Line
	ISO14230-4 Keyword Protocol 2000 ISO 15765-4 protocols(CAN)
Housing Dimension	74(W) × 46(L) × 25(T) mm
Weight	71g (with back-up battery)
Power Supply	DC 8 V ~ 33 V, Main power +/- inversion protection
Power Consumption	Active mode : 120~130mA @12V
	Sleep mode : Approx. 5mA @12V
	Deep Sleep mode : Approx. 2mA @12V
Motion Detection	Built-in 3-axis accelerometer
Back-up Battery	Rechargeable 3.7V, 350mAh Li-ion Battery
Electric Protection	Protection against ESD and overvoltage
Operational Temperature Range	-30°C ~ +80°C
Certificates	CE, FCC, PTCRB, RoHS (TBD)



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