

## OBD Series **ST4505T/TE/DO**

**A-GPS OBD-II Plug-in Vehicle Data Reader/Tracker**  
**Easy Installation using OBD-II Port**



- ❖ LTE Cat M1/NB2-IoT/2G
- ❖ Multi-GNSS Constellation + A-GPS
- ❖ OBD-II Standard or Enhanced OEM PIDs
- ❖ Driving Pattern Analysis
- ❖ Circular/Polygonal Geofencing
- ❖ Multiple Reporting Modes
- ❖ Configurable Report Formats
- ❖ Maintenance Server Support
- ❖ Bluetooth Connectivity

Compatible with ELA Blue LITE ID Tags



(Available at: [ELA Innovation](#))

### Models

ST4505T	SAE J1979 Standard PIDs
ST4505TE	Additional Enhanced OEM PIDs (Odometer + Fuel Level)
ST4505DO	No OBD-II

**Sales**

**Support**



## OBD Series ST4505T/TE/DO

### Cellular

Certified Carriers	AT&T US Cellular Verizon
4G LTE Cat-M1	B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B26/B27/B28/B66/B85
4G LTE Cat-NB2	B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B28/B66/B71/B85
2G fallback EGPRS	850/900/1800/1900MHz
Protocols	TCP/UDP/SMS
Back-Up Server	Dual IP Support

### GNSS

Multi-GNSS	GPS & GLONASS L1 Bands
Assisted GNSS	Reduced TTFF: Almanac/Ephemeris data DL service
TTFF	Cold Start: < 35 s Warm Start: < 30 s Hot Start: < 1 s
Fine Tracking	Up to 1 Hz
Sensitivity	Tracking: -167 dBm Reacquisition: -161 dBm Acquisition: -149 dBm
Geo-Fencing	Circular: 255 zones Polygon: 30 zones
Position Accuracy	CEP-50% < 2.5 m

### OBD-II

Protocols	All 5 Legislated Protocols: Auto-detection
PIDs	ST4505T: SAE J1979 Standard ST4505TE: SAE J1979 Standard + Select Enhanced OEM (Odometer + Fuel Level) ST4505DO: No OBDII

### Bluetooth

Version	BLE 4.0
Protocol	iBeacon

### Power

External	DC 8V ~ 33V: Inversion/overload protection
Back-Up Battery	Li-ion Backup Battery: Rechargeable 3.7V, 350mAh
Consumption	Deep Sleep: ~2mA @12V Sleep: ~5mA @12V Active: ~12mA @12V

### Miscellaneous

Support	SCUTI Maintenance Server
Weight	71g (with back-up battery)
Dimension	73(L) × 48(W) × 25(T) mm
Temperature Range	-30°C ~ +80°C
Certificates	FCC, CE, IC, PTCRB, RoHS

### Available Accessories

Cables	OBD-II Extension Y-Cable Straight 0.6M OBD-II Extension Y-Cable Angled 0.6M OBD-II Flat Extension Single Cable 0.6M OBD-II Flat Extension Single Cable 1M
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