Suntech ST6560

Smart OBD Telematics with Dead Reckoning

- Rich OBD-II telematics
- Monitor and coach driver behavior
- Quick and easy plug-and-play installation
- Connect external sensors with Bluetooth
- Enhanced GPS accuracy with Dead Reckoning

GPS with Dead Reckoning

Combine traditional GPS with Dead Reckoning technology to improve position accuracy and continue monitoring your vehicles in urban canyons and other areas with weak or blocked GPS signals.

IoT Sensor Connectivity

Equipped with BLE 5.3, the device supports ELD, BLE beacons, Driver ID tags, and easily integrates with wireless sensors to monitor temperature, humidity, and other PTO events.

Detailed Telematics Data

The ST6560 provides real-time diagnostics and engine data from the vehicle's ECU, effortlessly accessing engine hours, oil pressure, odometer, fuel levels, and much more.

Plug-and-Play

Simply plug the device into the OBD II port and start the vehicle to quickly and easily start capturing GPS location information and vehicle telematics data.

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The ST6560 is a full-featured 4G vehicle tracking solution that plugs directly into a vehicle's OBD II port to track GPS location and capture engine diagnostics data, including DTC codes, RPMs, vehicle speed, and more. A three-axis accelerometer also supports harsh event detection, including harsh acceleration, braking, and cornering.

Specification

Network

Network	LTE Cat. M1/NB-IoT/2G
Frequency	4G: B2, B3, B4, B5, B12, B13, B28, B66, B85 2G : 850/1800/1900MHz
Blutooth	BLE 5.3

Enviroment

Operating Temp	LTE Cat. M1/NB-IoT, 2G (fallback)
Certificates	Over-The-Air (OTA) Server Support

Power

Back-up Battery	Rechargeable 3.7V, 90mA/h (Li-ion)
Power Supply	DC 8V ~ 28V, Main power +/- inversion protection
Power Consumption	Active mode current : 120-130mA @12V Sleep mode less than 5mA @12V Deep sleep mode less than 4mA@12V
Power Down	Sleep (keep communication) Deep sleep (stopping communication)

Physical

Dimensions (mm)	50(W) x 59(L) x 25(T)mm
Weight (kg)	55 g

Hardware

I/O (Multiple options available)	OBDII 16pin connector J1962 Pin 2/10 : J1850(PWM or VPW) protocols. Pin 7 : ISO 9141-2 & ISO 14230, K-Line Pin 15, L-Line Pin 6/14 ISO 15765-4 Protocols (CAN)
Heavy Duty Truck Data	J1939 ELD, FMS supported
SIM Card	Nano SIM (4FF)
LED Indicator	2 (Network, GPS)
Antenna	Internal
Motion Sensor	Built-in 3-axis accelerometer, 3-axis gyroscope (ICM-42670)
Dead Reckoning	Supported

Positioning

Reciever Type	Single-GNSS GPS/GLONASS/Galileo/BeiDou
Location Accuracy	Accuracy* +/- 2m CEP *50%, 2D RMS, -130dBm, >6 Sats.
Update Rate	1HZ
Location Sensitivity	Tracking -167dBm Reacquisition -161dBm Acquisition -148dBm