Advanced Tracker SS70

Most Reliable Advance Tracker

SilverStar new SST-70 is a compact size entry level device for Fleet Management and Stolen Vehicle Recovery applications. The device is designed to target large fleets, insurance and leasing companies. SST-70 units are characterized by Silverstar's high level of quality and are offered at a competitive price for large scale deployments.

The SST-70 is equipped with a built in rechargeable battery and GSM jamming detection algorithms for improved compliance with vehicle security applications. The devices are fully certified for automotive standards in accordance with EU and US directives.

Features

- Small size for quick and easy installation
- Built-in Motion Sensor for movement & towing detection
- Built-in Quad band modem and GPS with internal antennas
- Event Memory: ~5K full time stamped events
- GPRS / SMS communication types
- GPIOs
- Roaming management
- Geo-Fence management
- Online event-driven reporting
- OTA configurable
- OTA upgradable
- Certifications: CE (R&TTE, EMC, Safety), FCC EMC, IC EMC, E-Mark, PTCRB
- Supports 6 wires harness
- Supports 2 wire fuse harness for easy installation

Application

- Vehicle Real-Time Tracking
- Vehicle Data Warehouse
- Vehicle Security
- Mobile Asset Tracking
- Fleet Management
- Location Based Service

Specification

Communication	GSM Modes	GPRS CLASS 10, PDU SMS
	Bands	Quad band: 850, 900, 1800 ,1900MHz
	`Power Output	2W, 1W
	SIM	Internal, replaceable
	Antenna	Internal, quad band GSM antenna

	Packet Data	TCP/IP, UDP/IP
	SMS	PDU
GPS	Technology	Chipset: SiRFIII GSC3F/LP single chipset
	Sensitivity(Tracking)	-159dBm
	Acquisition(normal)	Cold < 42Sec, Warm < 35Sec, Hot < 1Sec
	Antenna	On board, internal patch antenna
Inputs & Outputs	Inputs	1 internally pulled down input dedicated for ignition switch 1 internally pulled up GPI with assignable functionality and configurable polarity
	Outputs	2 general purpose open drain outputs (250mA max) with assignable functionality
	Motion sensor	For movement and towing detection
Interfaces	COM port	Selectable baud rate (9600 or 115000bps) TTL levels (external TTL-USB adaptor) 8 bit; 1 Stop Bit; No Parity Configuration Firmware upgrade
	Connectors	10pin Molex, Automotive
Power	Input Voltage	9-32VDC
	Average Current	Normal: 40mA
	consumption	Economic: 23mA Hibernation: <2mA
	Internal Battery	Li-Ion Polymer, 3.7V, 440mAh, rechargeable , Embedded NTC for temperature controlled charging, Operating Temperature: -18 (65% charge) ÷ 60°C
	Internal Battery	Battery Monitoring: Temperature (NTC) & voltage, Autonomy: Up to 40 Tx @ 1Msg/min @ 25°C, Protections: over current, overcharge and over discharge
Vehicle environment immunity	Immunity	Compliant with ISO 11452 and 7637 (in accordance with UN ECE-R10 E-Mark directive)
Environment	Temp,	-30°C to +70°C full performance
	operating	-40°C to +85°C – degraded communication
	Temp, storage	-40°C to +85°C
	Humidity	95% non-condensing
	Protection	IP40
	Vibration, Impact	ISO 16750
	Mounting	Tie-wraps and/or two sided adhesive
Certifications	FCC	Part 15 Subpart B, part 22/24 compliant
	CE	CE EMC & R&TTE according to 89/336/EEC or 1999/5/EC CE Safety EN60950-1:2006+A11:2009 Automotive Directive
	IC	Industrial Canada
	E-Mark	UN ECE-R10 directive
	PTCRB	TRP, TIS, Spurious and harmonics emission
Dimensions & Weight	Dimensions	91 X 71 X 23 mm
	Weight	~100gr (appx.)