SmartLog 5
Advanced Fleet Management
For 2G/3G Networks

EDT
E-Drive Technology

- **Driver Behavior and Risk Management**

- **Integrated CAN Bus Transceiver**

- **Designed for Peripheral Application Support**

SmartLog 5 is an advanced GPS tracker and Fleet Management System platform that generates vehicle location, vehicle status, and driver behavior data. Integration with EDT's WorldFleetLog Web-based and Mobile App management tools deliver real-time real-time events and alerts.

The SmartLog 5 automotive grade components ensure robust operation in rugged environments. The SmartLog 5 supports a variety of external sensors and triggers with 7 digital inputs and 4 outputs in additon to built-in pulse and analog inputs.

Automatically generated reports based on user-defined parameters are easily accessed by designated fleet managers or individual drivers to implement a driver behavior and risk management program and to ensure timely vehicle maintanence.
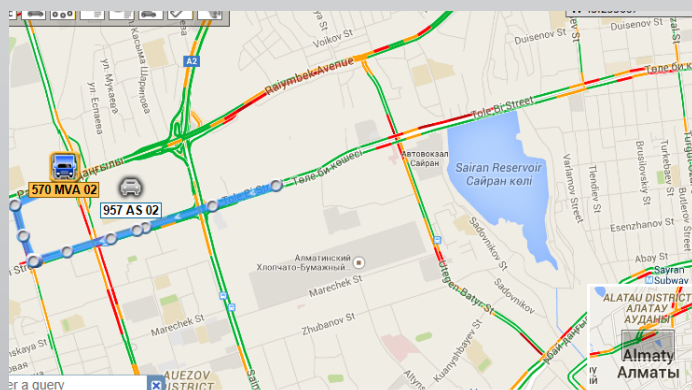
Advantages

- Supports external Iridium Satellite Network for automatic fallback when GSM/GPRS network is not available

- 2 serial ports for additional peripheral device support

- Supports a wide range of fuel level sensors for integrated fuel management solutions

- On-board accelerometer with integrated digital and analog sensors provide a complete FMS platform

- Fully integrated with WorldFleetLog to generate hundreds of reports

Technical Specifications

Communications

Quad-Band GSM: Bands: 850, 900, 1800 and 1900 MHz
Five Bands UMTS (WCDMA/FDD) Bands: 800, 850, 900, 1900 and 2100 MHz
Supports automatic Iridium Satellite Network fallback when GSM/GPRS network is not available
Supports user-defined message size to save operating costs

GPS Receiver

Receiver Type: 72-channel u-blox M8 engine for GPS, QZSS, GLONASS BeiDou and SBAS support
Anti jamming: Active CW detection and removal
Acquisition: Cold starts: GPS - 26 s; GLONASS - 30 s, Aided and hot start: GPS - 1 s; GLONASS - 3 s
Supports integrated short-circuit detection and antenna shutdown
Assistance AssistNow Online: OMA SUPL & 3GPP compliant interface
Power consumption: 30 mA @ 3.3 V

Input/Output

7 external digital inputs, including IGN, SOS Push Button, Tampering + 4 Discrete (3 outputs with
open collector capability; 2 outputs with Totem pole or open collector capability)
2 external pulse inputs for Odometer and RPM (2 Hz - 1kHz)
3 external analog inputs with an A/D range from 0 to 30 VDC
Two external LED outputs
LIN Bus 1.3, 2.0, 2.1 and SAE J2602 for up to eight devices
RS-232 and RS-232 B interfaces
Dallas iButton

Extended Interface Board Support

UHF - EDT RF Modem
Additional options per project

Power Supply

Vehicle Battery Operating Voltages: 12 VDC nominal [9—48 VDC]
Backup Battery Operating Voltage and Capacity: 3.7 VDC rechargeable 2000 mA Lithium Ion-Polymer battery
Current Consumption from Vehicle Battery: Maximum (GPRS On): 128 mA; Maximum (Backup Battery Charging): 228 mA
Full Power Mode: (GPRS Off): 63 mA; Standby Mode: 2.12 mA

Physical Characteristics

Operating temperature range: -40°C to +85°C
Operating conditions: Meets, or exceeds automotive standards for humidity, corrosion, salt mist fog test; salt spray, dust, drip water, and constant humidity under operation tests
Housing: Rugged aluminum case; Weight: 230 grams; Dimensions (L x L x H): 128 x 88 x 30 mm
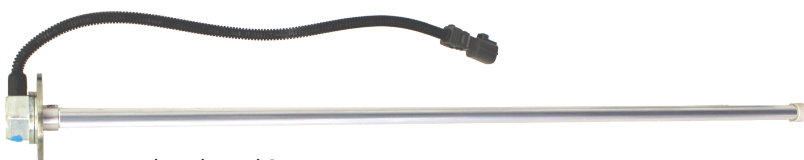

SmartLog 5 Keypad

EDT Iridium Modem

RF ID

External Fuel Level Sensor

Dallas ID