

# TECHNOSEGUR

## Evolution

### GSM / GPRS / GPS - Mobile Location Unit

- Quad band (850/900/1800/1900 Mhz) GSM / GPRS Class B - Multislot 10
- UDP and SMS Transport options
- Powerful Event Engine with On Board Intelligence. Supports triggers, geofences, speed alert, input, ignition sense, time, distance, network status, gps status and power management. Reporting is delivered in flexible data formats such as ASCII or Binary
- Two digital inputs
- One output (sink 250mA)
- Voice and SMS enabled
- Supports Dynamic IP notification architecture with "Keep Alive" feature
- Data buffer for out of coverage conditions
- Three status indicators LEDs (2 user defined)
- 9-30V DC power input
- Multiple server reporting options
- Over the Air configuration
- Mobile Data Terminal support



- Flexible Reporting Format
- NMEA ASCII and Binary
- Time/Distance Reports
- I/O Event Reporting
- Ignition Sense
- Geofencing
- Power Management
- Buffered Data when out of coverage

## CHARACTERISTICS

### System Requirements

Interface: Serial Host DSUB 9 connector

L x W x H: 4.0 x 5.0 x 1.6 in

Housing: One Piece, seamless Aluminum Extrusion

TX Power: Class 4 (2W @850/900 MHz)

Class 1 (1W @1800/1900 MHz)

Slot Class: MS10(4RX/2TX, 5 MAX)

### Application Interface

- Host Protocols: PPP, AT Commands, UDP, TCP/IP
- Internal Protocols: UDP, TCP/IP (future release)
- API Control/Status: AT or UDP
- Friend,s IP Feature
- Auto-Registration software upon power-up
- Over the air commands for:

-I/O Control            -Status Change Reporting

-GPS TX Interval    -GPS Content

-Binary Reporting   -Event Reporting

-Timed Reporting    -Distance Reporting

-Alarm Reporting    -Geo-Fencing

### Band Operation

TT8540 (850/900/1800/1900)

SIM Card -Interface -I/O

- SMA Antenna Connector for 3.3 Vdc GPS 3.3
- External SIM accessible via end cap
- Audio connection
- TNC Antenna Connector for GSM
- 3 Pin I/O - 2 Input, 1 Output - 3 LED

Status indicators -1 Ignition Sense

- 1 Audio Input/Output

### GPRS Packet Data

Mode: Class B, Multislot 10 Certified

Protocol: GPRS Release 97, SMG 31

Coding Schemes: CS1 -CS4

Packet Channel: PBCCH/PCCCH

### Environment

Operating: -30°C to +70°C

Spec. Compliant: -20°C to +60°C

Storage: -40°C to +85°C

Humidity: Up to 95% non-condensing

### GSM Functionality

Voice: Full Rate, Enhanced full rate and half rate, AMR (TT8540)

CS Data: Asynchronous, transparent and non transparent up to 9.6 KB

GSM SMS: Text, PDU, MO/MT Cell broadcast

Status Indicator

Power ON

- Registration Status

- GPS Status

- User Defined

### Certification

TT8540

FCC: Part 15,22,&24 Part 15

GCF: Version 3.11.0 Version 3.5.1

PTCRB: Version 2.9.1 Version 2.7.2

Industry: Canada Canada

RTTE RTTE

### Power

DC Volt: 9 -30 V

TT8540 @12V Avg Peak

BAND MODE (mA) (A)@(dBm)

GSM 850	1TX/1RX	390	0.600@32.5
& 900	1RX	180	
	Idle	65	

GSM 1800	1TX/1RX	400	0.570 @ 2.0
& 1900	1RX	190	
	Idle	55	

### GPS Functionality

- SMA Antenna Connector for GPS
- Supports 3.3V Active Antenna
- GPS Protocols: NMEA, TAIP, SkyPatrol binary
- Stored GPS Messages Feature

Part Number

TT8540 850/900/1800/1900



Distributor for Spain and Portugal:

**skypatrol**

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