

Skypatrol product specifications

# TT8750

Quad Band GPS & GSM Tracking Platform

evolution

SERIES



- Embedded Tracking Intelligence
- Supports Quad Band GSM Voice/SMS/GPRS/TCP/UDP
- Ultra Sensitive GPS Engine (up to -160dbI)
- Low Cost Messaging Airtime Configuration
- Easy Connect Automotive Grade Antennas



GPS Tracking Solutions

skypatrol®

# TT8750

## Quad Band GPS & GSM Tracking Platform

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### Characteristics

Dimensions (L x W x H) 64.8 x 61 x 25.6 mm  
Housing Rugged plastic enclosure

### Radio Performance

Frequency (MHz) 850/900/1800/1900  
Transmit power Class 4 (2W@850/900 MHz)  
Class 1 (1W@1800/1900 MHz)

### Packet Data

Mode Class B, Multislot 10  
Protocol GSM/GPRS Rel 97 AMR Rel 99  
Coding schemes CS1-CS4  
Packet channel PBCCH/PCCCH

### GSM Functionality

Voice AMR, EFR, FR & HR  
CS data Asynchronous; Transparent and Non-Transparent up to 14.4 kb  
GSM SMS Text, PDU, MO/MT, Cell Broadcast

### GPS Functionality

Connector FAKRA  
Antenna 3.3 V active  
GPS Protocols NMEA, Binary  
Buffered GPS message feature Yes

### Over-the-Air Commands

I/O control, GPS TX internal, binary reporting, timed reporting, alarm reporting, maximum speed exceeded, status change reports, GPS content, event reporting, distance reporting, geo fencing and virtual odometer

### SIM Card/Interface/I/O

SIM Access External  
Audio 2.5 mm headset  
GSM Antenna FAKRA  
I/O Connector 8-pin Molex  
2 GPIOs: Input 0-40V, Output 0-3V  
1 Output 0-40V  
Serial Data I/O Yes  
Ignition Sense Yes

### Interface

Host Protocols AT commands, UDP API, CMUX, PPP  
Internal Protocols PPP, UDP API, TCP API, UDP PAD, TCP PAD  
API Control/Status AT commands, UDP API, TCP API, AT commands over SMS

### Environment

Operating -30°C to 85°C  
Storage -40°C to 85°C  
Humidity Up to 95% non-condensing  
Vibration In accordance with SAE J1

### Power

DC voltage 7 - 40 V  
Rechargeable Lithium-Ion battery (1-hr use)

GSM operating power (typical) @ 12 volts

Band	Mode	Avg (mA)	Peak (A)
GSM 850/900	1TX/1RX	250	1.6
	Idle	< 40	
GSM 1800/1900	1TX/1RX	215	1.3
	Idle	< 40	

### Certifications

FCC Parts 15, 22 & 24  
GCF Version 3.27.0  
PTCRB Version 3.12.0  
CE Mark Pending  
RoHS Compliant Yes  
E-mark Yes  
Industry Canada Yes

Specifications subject to change.



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