

Skypatrol product specifications

TT8750

Vehicle GPS Tracking Device

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

evolution
SERIES

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)
Sensitivity -106 dBm (typical)

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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