



Vehicle Tracker – RDM-101

GSM + GPS + GLONASS


Key Features:

- IP 56 Compliant ABS Body.
- Quad band Class 12 GPRS Module.
- Multi-GNSS GPS & GLONASS with AGPS support.
- Embedded (internal) GPS & GPRS Antenna.
- Fuel sensor integration. *
- Rf-id integrations. *
- 3 Digital Inputs, 1 Digital Output and 1 Analog Input
- Vehicle Immobilization through SMS or Server.
- Alert: Ignition ON/OFF/Door Open/ Low Battery
- External Power Cut Alarm.
- SOS/Panic Alert.
- Vehicle Battery low alert.
- Offline tracking through SMS (in case of no internet connection available).
- Offline storage of data up to 10 days. **
- Data Communication over TCP/IP protocol.
- Over the Air configuration parameters update.
- Battery Back-up up to 4 Hrs. **

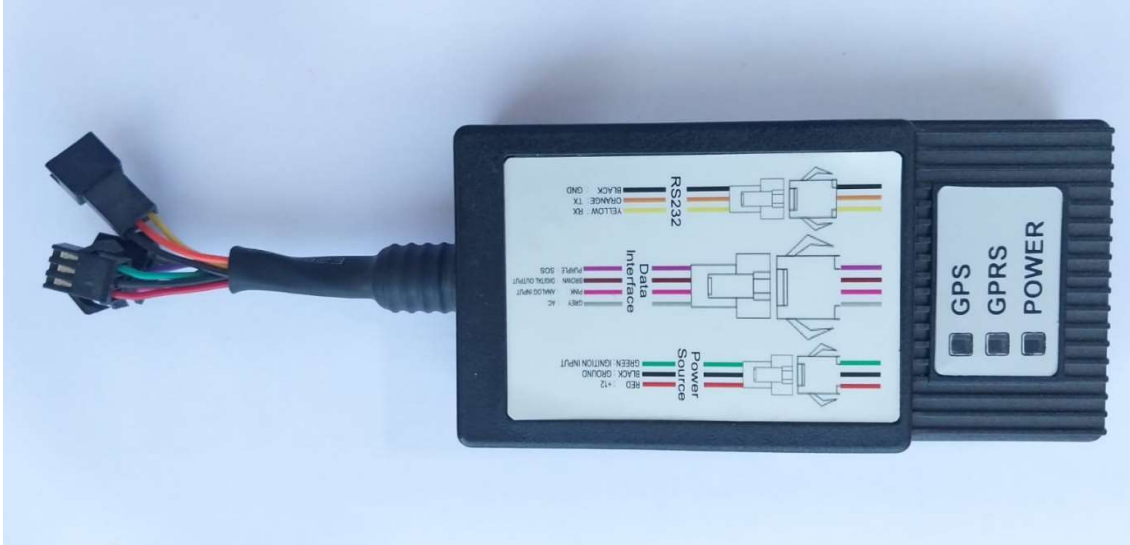
* - Ordering variant-based features. (Optional)

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Technical Specifications

Memory for Offline Logs Type NAND Flash Size 16Mbit / 15000 Logs		Inputs / Outputs Digital Inputs 3 Nos. Voltage levels 0 to 1.6V Logic Low / OFF 1.7 to 40V Logic High / ON	
Cellular / GSM Module 2G, Quad Band Frequency 850/900/1800/1900 MHz GPRS Class Class 12/10 Antenna Internal (external optional) Sim Card Micro Sim 1.8/3.3V Protocol FTP/HTTP/POP3/SMTP/TCP/UDP Other Features Jamming Detection, SSL, MMS		Dedicated Digital Inputs Isolated Ignition Input (ACC) Isolated AC Input SOS Panic Input 2 Wire	
GNSS GPS + GLONASS GPS-1575.42 MHz, GLONASS – 1601.71 MHz No. Of Channels 22 Tracking, 66 Acquisition Sensitivity Acquisition – 148dBm Tracking – 166dBm Output Format NMEA 0183 Antenna Internal (external optional)		Digital Outputs Current 2 Nos. Open Drain, 1A max.	
Status LEDs Power GSM GPS 		Analog Inputs Voltage 2 Nos. 0 to 30V Box Tamper Switch 1 Nos.	
		Internal Battery Type Li-ion Rechargeable Capacity 650mAh @ 3.7V Protection Built in to battery pack	
		Electrical Input Voltage 8.5V to 36V Protections Reverse Battery, Transient Protection Built-In PTC Fuse. Under Voltage lockout ESD Protection 4kV	
		Power Consumption Less than 1 watt (In High- Performance mode) Less than 0.25 watt (In Power-Saving mode)	
		Environmental Operating Temperature -40 to 85 Deg C	
		Mechanical Dimensions 110 X 54 X 27 mm. Box Material ABS Ingress Protection IP56 Weight 100 Grams (Approx.)	

TRACKER IMAGE



TOP SIDE



BOTTOM SIDE

WIRING DIAGRAM

COLOR	DESCRIPTION
RED	+12V
BLACK	GROUND
GREEN	IGNITION INPUT
GREY	AC
PINK	ANALOG INPUT
BROWN	DIGITAL OUTPUT
PURPLE	SOS
YELLOW	RX
ORANGE	TX
BLACK	GND

