

SAFE. COMPLIANT. CONNECTED.

eTrans DARSH_AIS140 GPS TRACKER

Certified by the Automotive Research Association of India (ARAI), eTrans DARSH AIS-140 GPS Tracker is an advanced solution designed to enhance vehicle safety, tracking and management. In compliance with the Automotive Industry Standard 140 (AIS-140), it meets the Intelligent Transportation System (ITS) regulations in India.

Why does ARAI certification matter for an AIS-140 GPS Tracker?

When it comes to vehicle tracking, safety and compliance, there's no room for compromise. An ARAI-certified AIS-140 GPS tracker is designed to meet the required automotive standards for accuracy, reliability and performance - giving you greater confidence on every journey.



Key Features and Benefits



ARAI Certification ensures reliability and compliance.



Real-Time Tracking with IRNSS for precise real time tracking of fleet location and movement with high accuracy.



Enhanced Vehicle Safety supports reliable tracking and monitoring with integrated panic & SOS button.



Alert & Notification System for better operational efficiency.



Extensive Data Logging for comprehensive record of vehicle's travel history.



Remote Immobilization for prevention of theft or unauthorized use.



Fuel Monitoring (select models) to reduce fuel theft and manage fuel expenses.



Rugged & Durable Design resistant to dust and water. Reliable performance under various environmental conditions.



Geo Fencing supports circular and polygonal Geo Fencing.



Motion Sensor detects harsh acceleration and braking.

Applications



Public Transport

The AIS140 GPS Tracker is widely used in public transport systems, including buses and taxis, to ensure passenger safety, monitor routes, and improve service efficiency.



Logistics & Freight

Logistics companies use AIS140 GPS Trackers to monitor their fleet, optimize routes, and ensure timely delivery of goods. This helps in reducing operational costs and enhancing customer satisfaction.



Emergency Services

Ambulances and emergency response vehicles use AIS140 GPS Trackers to ensure quick response times and efficient navigation to incident sites.

Technical Specifications

Parameters	Description of DARSH-AIS140
Microcontroller	32 Bit Cortex A5
Chipset	GSM Chipset: UNISOC 8910DM
	GNSS & IRNSS Chipset: UNISOC 8910DM
Memory	16 M-byte Flash, Minimum 100K Erase and Program Cycle
	More than 20 Years Data Retention
GSM Module	GSM 900/1800 MHz, GPRS: Multi-slot class12, Coding Scheme: CS1 to CS4
GNSS & IRNSS Module	Supports GNSS Bands. L1, L5, B1, E1
	Supports GPS, GLONASS, BeiDou, Galileo, QZSS and IRNSS
	Internal GNSS and IRNSS Antennas
	<2.5 M CEP @ -147dBm
Antennae	Internal
Communication Interface	Supports TCP, FTP & HTTP
Record Storage/buffer	60000 Tracking Records
Ports	4 Digital Inputs, 2 Analog Inputs, 2 Digital Outputs, 1 SOS Interface
	One RS232
Speed Sensor	GNSS
SIM Interface	Supports ESIM and Plastic Micro SIM (1.8/3.0V)
GPRS Packet Data	Class 12, Coding Scheme CS1 to CS4
LED Indication	Main Power, Module Status, GSM and GNSS
Connectors	16 Pin Connector
Power Supply	Wide DC Input Voltage (DC 9 to 60V)
Current Consumption	80 – 150 mA During Transmission. 50 mA During Idle Condition. 12 mA in Sleep Mode
Internal Battery	1200 mA. 8 Hours Backup
Enclosure	ABS 700, Complying to IP67
Temperature	Operating: -35°C to +75°C
	Storage: -40°C to +90°C
Dimension	102 x 100 x 36 mm
Weight	250g Appx.
FOTA	Firmware Update Over the Air
	Over The Air Device Configuration
Geo Fencing	Supports Circular and Polygonal Geo Fencing
Motion Sensor	3 Axis Accelerometer and Gyrometer (Harsh Acceleration and Braking)

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