

The Ministry of Road Transport and Highways, Govt. of India, has made AIS-140 Certified Vehicle Tracking System (VTS) mandatory on all public vehicles from April 2018.



ARAI certified AIS-140 GPS Tracking Device (JT140IR)

Automotive Industry Standard

About J-Track

J-Track is a flagship product of J-Technologies India Ltd (J-Tech) is a new generation enterprise highly committed to delivering superior information technology solutions. An ISO 9001:2015 Certified Organization. J-Tech is a part of the Euro €60 million Indoshell group which is a conglomerate with specialized in indigenized auto component manufacturing and serving the top automobile majors across the globe.



Hardware Specifications

Real time tracking

40,000 waypoints storage capacity

Over voltage and reverse connection protection

Over The Air (OTA) Device configuration

Over The Air Firmware update (FOTA)

Configurable data sending intervals

Data sending to 3 IP's simultaneously

Sleep mode for extended battery backup

Supports AGPS

Supports dual network

Supports e-SIM with network switching

Details of network operator name

Serving and neighbouring cell ID information

Vehicle and internal battery voltage information

SMS fall back while GPRS fail



Technical Specifications

Standards

ISO16750 - Reverse voltage testing standard

AIS004 part03: 2009 - EMI/EMC testing standard

IEC 60529 - Ingress protection standard

IS2465 - Flammability testing standard

ISO 6722 - Wiring characteristics standard

IS 9000 - Environmental test standard

ISO7637 - Transient immunity test standard

ISO11452 - Radiated Immunity test standard

CISPR 25:2008-03 - Radiated emission test standard

GPS Receiver

IRNSS L5 Band

40 Tracking channels

99 Acquisition channels

-147dBm Acquisition sensitivity

-163dBm Tracking sensitivity

-156dBm Reacquisition sensitivity

GPS, IRNSS, GLONASS, BeiDou, Galileo & QZSS

Built-in LNAs for better sensitivity

Support DGPS, SBAS (WAAS/EGNOS/MSAS/GAGAN)

IO Ports / Interfaces

Four Digital Inputs

Two Analog Inputs

Two Digital Outputs

One RS-232 Port Interface

SOS Switch Interface

Mechanical

ABS FR Enclosure

IP68 Enclosure

Antenna

Internal GSM Antenna

Internal GPS Antenna



GSM

GSM / GPRS Quad Band
-109 dBm Sensitivity
CLASS 12
Supports TCP, UDP and HTTP Protocols



Power

Power Supply 7-36V DC
3.7V / 1100 mA Li-Ion Battery
Internal Battery Back up to 7 Hrs
Power Consumption <20 mA /24V
Temp. -10C to +85C

Software

Subscription Plan

Basic

Live tracking
Grid & map view
Vehicle status (Running/ Idle/ Parking/ offline)
Route play (History)
Ignition On/Off
External Power tamper Alert
Over speed Alert
Idle, Offline, SOS Alerts
Distance report
E-mail Alert
Mobile app notification
Licensed Map
Web & Mobile app



Advanced

Basic Option
Harsh Braking/ Acceleration/ Maneuvering
Geo Fence & Trip Management (optional)
Web based SMS alerts (optional)
Whatsapp alerts (optional)
Ac/door open/close status
Fuel, Temperature, door, RFID Alerts



Major Verticals

- Educational Institutions
- Healthcare
- Logistics / Cargo
- Staff / Student Transportation
- Corporate Organisation
- Govt. Organisation
- Municipal Corporation
- Taxi / Travels
- MINES
- Mobile App Tracking



Other Models / Accessories



JT05 GPS Device



JT140P GPS Device



Fuel Sensor



RFID Reader(125KHz)



Hotel Room
Occupancy System



Temp. Sensor



Door Sensor



Finger Sensor



Fastag



Wifi 4G Camera

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