



# AIRO TRACK

TECHNOLOGIES Pvt. Ltd.

"We are the Supplier of Premium Quality Speed Governor / IRNSS(Gps) in Kerala, India.. Our team has considerable capability and engineering skills to provide standard as well as customized products. We assure timely delivery of these Speed Governors to the clientele from our end. They also have Irnss vehicle tracking system, Gov. Aproved Ais140 gps, Ais 140 gps companies, Motor vehicle department approved gps, Kerala govt approved gps, Gps dealers, Gps, Vehicle tracking system"



## AIRO TRACK

AIS 140 Certified  
Vehicle Tracking & Monitoring System

Product Certification:



## PANIC BUTTON

Airo Track offers highly rugged and durable Panic Buttons certified with AIS 140, which is easy to mount and operate. The Button will have indicator lights, which can be easily identified by the passengers and once pressed will notify the control center instantly and show the immediate response with apanic glow.

## TECHNICAL SPECIFICATIONS

### PHYSICAL PARAMETERS

DIMENSIONS [L x W x H]	99 x 87 x 39 MM
CASING MATERIAL	POLYCARBONATE
COLOR	BLACK
PROTECTION CLASS	IP65
DEVICE STORAGE TEMPERATURE	-40°C TO +85°C (WITHOUT INTERNAL BATTERY) -20°C TO +70°C (WITH INTERNAL BATTERY)
DEVICE OPERATING TEMPERATURE	-40°C TO +85°C

### ELECTRICAL CHARACTERISTICS

OPERATING VOLTAGE	8V TO 36V DC
PROTECTION	REVERSE POLARITY PROTECTION, TVS PROTECTION ]]
POWER CONSUMPTION	WHICH COMPLY ISO 7637-2: 2004(PULSE 5A FOR 12V AS WELL AS 24V)
SLEEP MODE CONSUMPTION	<0.15A CONTINUOUS, 1A MAX @12V <50MA

### INTERNAL MEMORY

INTERNAL STORAGE	4MB (32Mb FLASH)
------------------	------------------

### INTERNAL BATTERY

INTERNAL BATTERY	3.7V, LI-PO, 500mAh, Upgradable up to 1500mAh
------------------	---

### GPS+IRNSS PARAMETERS

GNSS RECEIVER	MULTI-GNSS ENGINE FOR GPS, IRNSS/NAVIC, GLONASS, GALILEO AND QZSS; SBAS WITH WAAS, EGNOS, MSAS, GAGAN SUPPORT
GNSS ANTENNA	IN-BUILT PATCH ANTENNA
FREQUENCY (L/S BAND)	GPS L1 BAND RECEIVER (1575.42MHz)/ GLONASS L1 BAND RECEIVER (1601.71MHz)/ IRNSS L5 BAND (1176.45 MHz)
CHANNEL	33 (TRACKING)/ 99 (ACQUISITION)
TRACKING SENSITIVITY	-163 DBM TYP.
ACQUISITION	-147 DBM TYP.
RE-ACQUISITION	-156 DBM TYP.
HOT START	<1S, TTFF @ -130 DBM
WARM START	<25S, TTFF @ -130 DBM
COLD START	<32S, TTFF @ -130 DBM
UPDATE RATE	CONFIGURABLE UPTO 10HZ
NAVIGATION ACCURACY	<1.8M CEP TYP.

### CONNECTIVITY

GSM MODULE	QUECTELM66
FREQUENCY	QUAD BAND 850/900/1800/1900 MHz
GPRS CLASS	MULTI-SLOT, CLASS 12, 1-12 CONFIGURABLE
PROTOCOL	TCP/IP, UDP, FTP, PPP, HTTP & SMS
SIM	OPTIONAL MICRO SIM (M3FF)
EMBEDDED SIM	SUPPORTS EMBEDDED SIM (
GSM ANTENNA	INTERNAL

### EXTERNAL INTERFACES

SERIAL INTERFACE	ONE HALF DUPLEX RS485 PORT
------------------	----------------------------

### I/O S AND OTHER INTERFACES

DIGITAL INPUTS	FOUR, DIGITAL INPUT; ONE IS DEDICATED FOR IGNITION AND ONE IS FOR EMERGENCY BUTTON.
DIGITAL OUTPUTS	THREE
ANALOG INPUTS	TWO, SINGLE ENDED, 12-BIT RESOLUTION (0-10V)
TAMPER DETECTION	BATTERY WIRE CUT, EMERGENCY WIRE CUT, OPTIONAL DEVICES OPEN
LED INDICATION	ON BOARD LED INDICATORS (POWER, GPS, GSM) AND ONE EXTERNAL EMERGENCY STATUS LED.
ACCELEROMETER AND GYROSCOPE	6- AXIS, ACCELEROMETER AND GYROSCOPE

### OTHER FEATURES

DUAL IP SUPPORT	SENDS DATA TO 2 IPS SIMULTANEOUSLY( OPTIONAL 3
SOFTWARE UPDATE	FIRMWARE OVER THE AIR (FOTA) SUPPORT
DEVICE CONFIGURATION	OVER THE AIR (SMS AND GPRS)
OPTIONAL FEATURES	OPTIONAL 1-WIRE SUPPORT

\*Optional features will be included upon request

# AIRO TRACK

## FLEET MANAGER



### DRIVER IDENTIFICATION

Airo Track 140 with its Superior 1-wire technology can incorporate different Driver Identification Techniques like iButton, RFID etc. to exactly monitor and analyze the attendance and driving behavior of each and every driver handling your fleet.



### REAL TIME TRACKING

This key feature allows you to trace your vehicle down to seconds. Unlike our competitors nationally or otherwise, we help track your vehicle with utmost precision and provide you with even the minute details.



### TEMPERATURE MONITORING AND OTHER SENSORS

Airo Track can also monitor your cargo temperature in real time and alert you in case of any untoward incidents. Airo Track can also incorporate other sensors like door, air conditioning, seatbelt and other parameters in order to keep track of each and every minute activities of your fleet.



### FUEL MONITORING

Airo Track 140 brings you the most innovative and challenging achievement in fleet management. With our state-of-the-art software and hardware, you will be notified about the vehicle's fuel refill and pilferage at a superior accuracy. Thus the user gets to know the correct quantity of fuel filled or pilfered from the sump with exact location and time.



### DRIVING BEHAVIOR

Airo Track can now monitor and analyze the complete driving behavior of each Driver and Vehicle, thanks for the advance Accelerometer & Gyro Sensors in the latest Airo Track 140 Series Devices for getting much accurate results of the harsh braking, accelerations and rash driving instants.



### IMMOBILIZER WITH SAFETY ALARM

Using Airo Track 140, you can start or stop your vehicle using your phone or PC. The immobilizer module installed in the vehicle along with the Airo Track Control Unit can immobilize or start the engine remotely with a preset intimation alarm in the vehicle cabin.



### EFFICIENT ROUTE-TRACING TECHNOLOGY

Using our 'Route Trace' technology, Airo Track can offer you information about complete route travelled by your vehicle during any time intervals back in history with the detailed information of any halts made in between with their individual durations.





#### **VEHICLE RECORDS MANAGER**

Airo Track 140 can store many of the vehicle records like insurance details, tax details, RC details, pollution certificate details etc. Moreover it can notify you the time of its expiry.



#### **TRIP MANAGEMENT**

You can schedule your vehicle's trip between any two locations. Hence you will be notified instantly when the vehicle leaves the starting point and reaches the destination.



#### **GEO-FENCING**

Airo Track allows you to create virtual boundaries across your home, garage, and worksite and anywhere around the world so that each time your vehicle crosses these boundaries, you will be notified and recorded in the logbook.



#### **OVER SPEED ALERTS**

Now you can set the maximum speed limit of your vehicle so that Airo Track will monitor it 24x7 and in case if it is crossed you will be instantly notified with that speed and location, moreover it can alert the driver also about the speed increase with a speed alarm installed inside the vehicle.



#### **MULTI-LEVEL USER MANAGEMENT**

Airo Track allows you to create sub user accounts that can be distributed to and maintained by your officers or assistants. Each of the fore mentioned Airo Track features could be custom-set to these sub user accounts, so that only required information needs to be shared with the subs.



#### **REPORTS AND STATISTICS**

Airo Track lets you generate automatic reports and statistics on your desired parameters to aid in performance evaluation of your fleet and drivers.

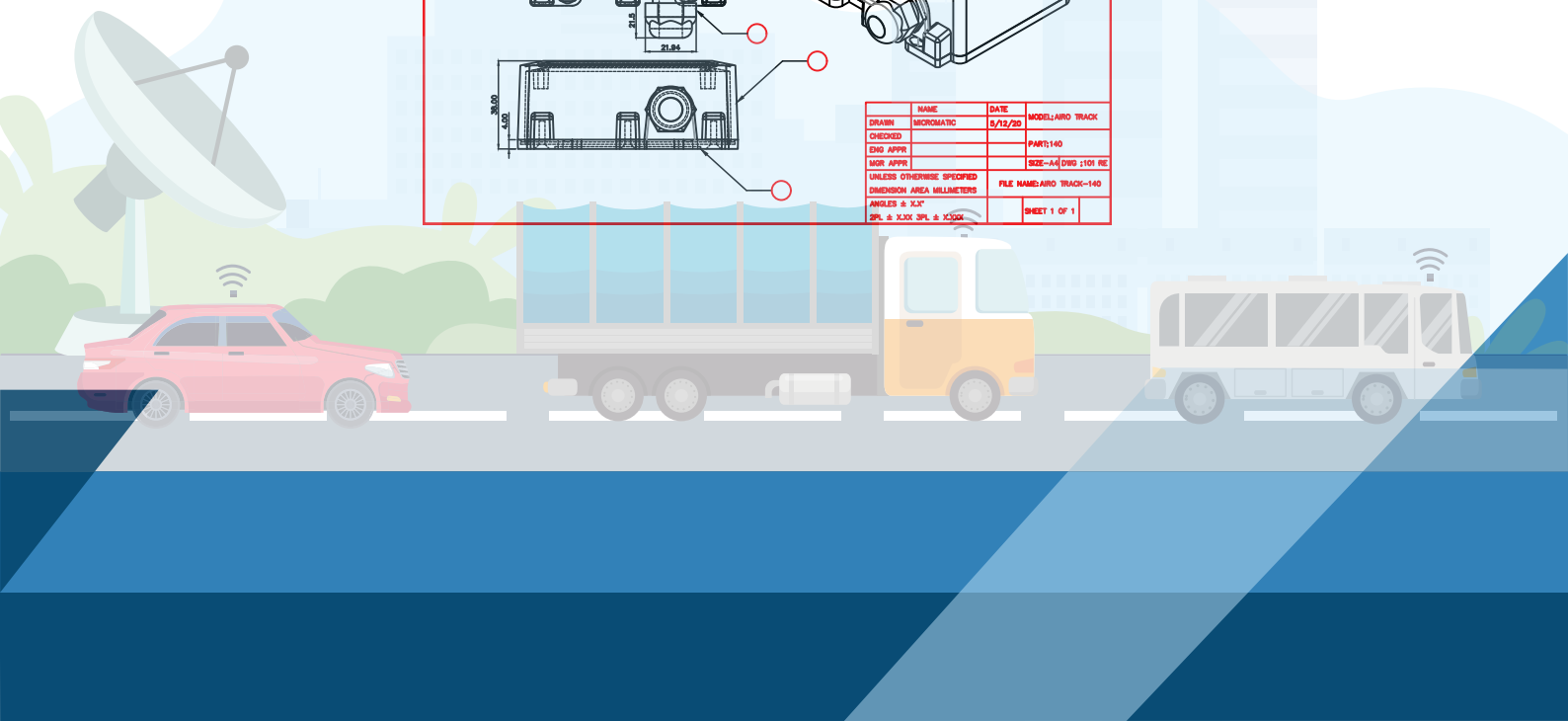
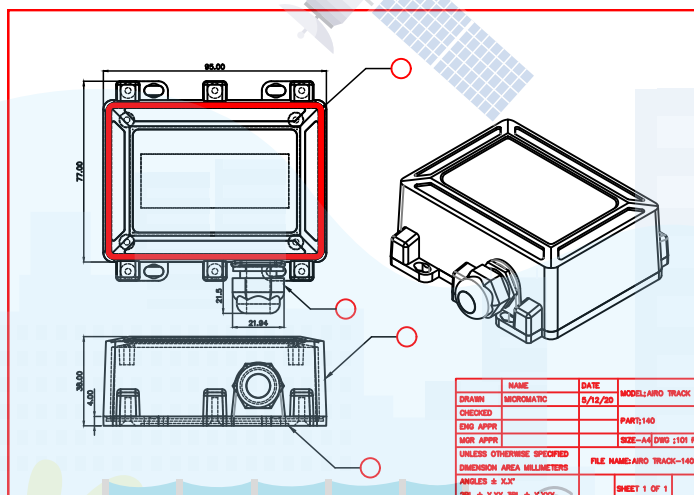
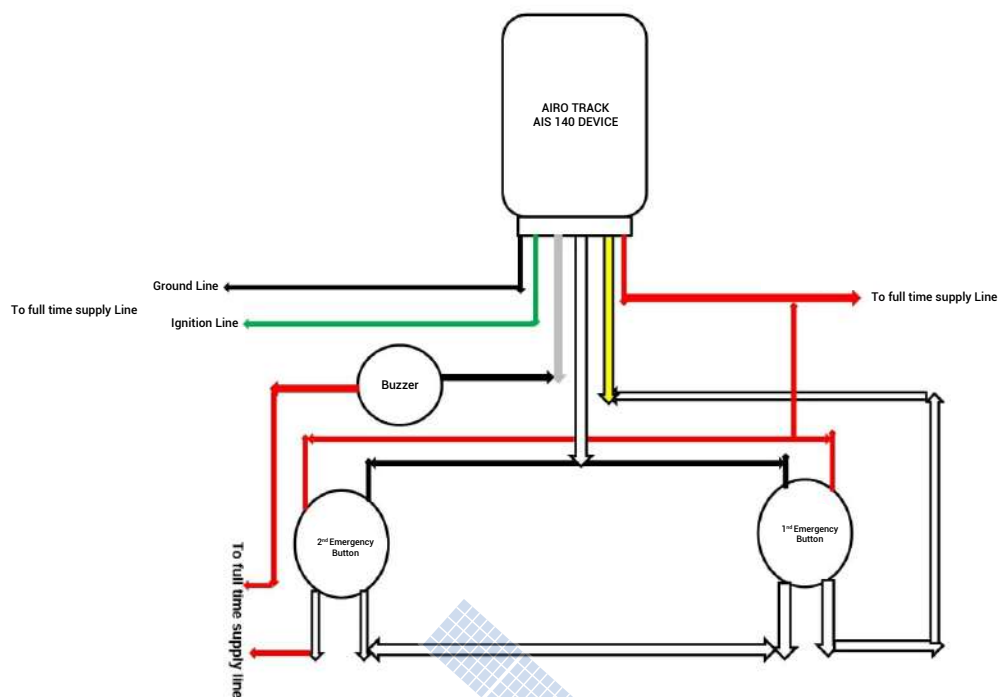


#### **DATA HISTORY**

Airo Track offers its valuable customers a highly secured data pool where all the incoming information about the vehicles, users and other applications are stored, sorted and structured. Hence the user can access any previous history about the vehicle position, routes, reports and expenses anytime through his phone or PC.



# DIMENSIONAL





**AIRO TRACK TECHNOLOGIES Pvt.Ltd**

Building No. 2/407, Kommady PO, Alappuzha  
Kerala, Pin: 688007, India