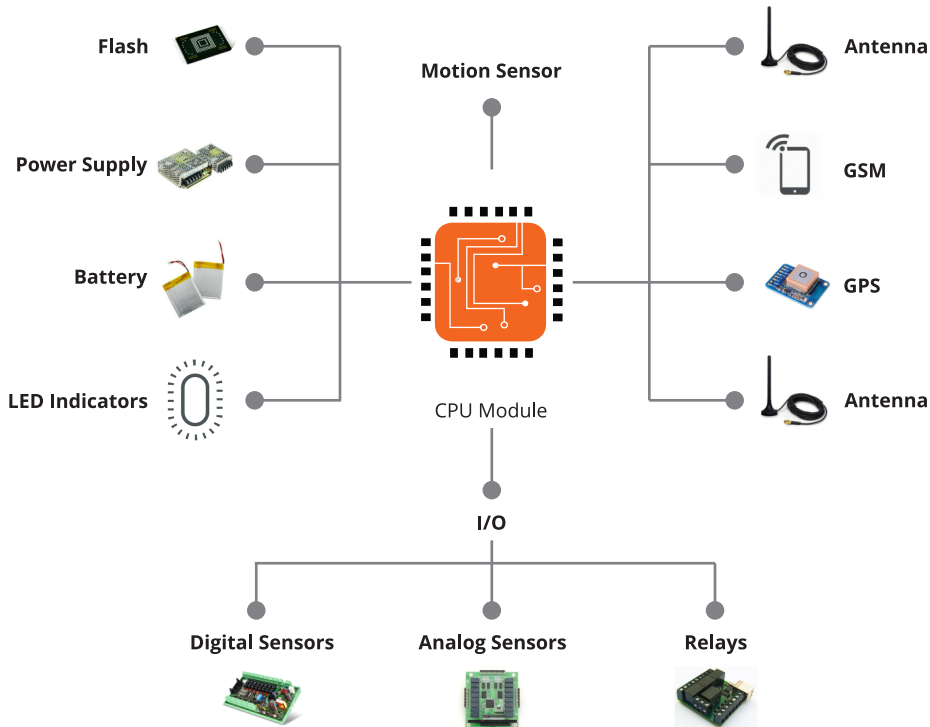


# GPS Tracker

GPS Tracker is a device, usually carried by vehicles, important assets and even persons, uses Global Positioning System to track the movements and determine the location of tracker. The location accuracy is around 10 - 20 meters for most GPS Trackers. The recorded location is stored in tracker and periodically sent to cloud server using a Cellular (GPRS) modem embedded in the unit. This allows the asset's location to be mapped either in real time or when analysing the track later using GPS Tracking Software available on smartphones via cloud server. (ref.: Wikipedia)

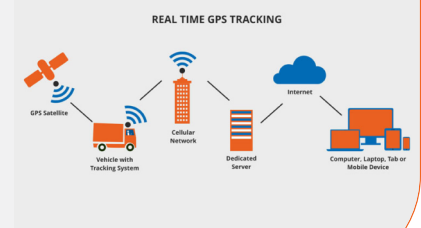
Edgelytics GPS Tracker's modular design offers flexibility to support customization as required. The high level design mentioned below helps explain this point -



- Real Time GPS + AGPS Tracking**  
 To pinpoint the location periodically or in real time
- Data Logging**  
 Store GPS data when the device/vehicle enters GSM Blind Zone
- SOS Emergency Call**  
 In case of emergency, press the SOS button to trigger an urgent call
- Multiple Alarms**  
 Instant alert for sudden acceleration, overspeed, power-off, geo-fence breach, harsh braking and sharp turn
- Two-way communication**  
 With MIC and Speaker it is easy to realize voice-monitor or two-way audio
- Door Status Detection**  
 Get instant alert when your car's door is open unexpectedly
- IP67 Dust and Water Proof Enclosure**  
 To ensure stable operation in tough environment
- AIS 140 Compliant**  
 ARAI approval proves that the tracker fulfils the standard specifications"



## GPS Tracker Features



## GPS Tracker Specifications

<b>GSM</b>	
Frequency	850/900/1800/1900 MHz
GPRS	Class 12, TCP/IP
Memory	64 Mb
Phase Error	RMSPE < 5, PPE < 20
Max Output	850/900: 33 +/- 3dBm, 1800/1900: 30 +/- 3dBm
Max Freq Error	+/- 0.1 ppm
<b>GPS</b>	
Frequency	L1, 1575.42 MHz C/A code
GPS Channel	66
Location Accuracy	< 10 meters
Tracking Sensitivity	-162 dBm
Acquisition Sensitivity	-148 dBm
TTFB (Open Sky)	Avg. hot start <= 1 sec, Avg. cold start <= 32 sec
<b>Function &amp; Package</b>	
Voice Monitor Range	<=5 meters
Battery	800 mAh/3.7 V Li-Polymer battery
Working voltage / current	9 - 36 VDC/45 mA(12 VDC), 28 mA(24 VDC)
Operating Temperature	-10 DegC - 70 DegC
Accessories	Power Cable, SOS Cable, MIC, Relay (4 Pin), 2* Relay (5 Pin), Speaker, I&O cable



## GPS Tracker Applications

- Fleet Management
- Vehicle Tracking
- Taxis

## Travel History Screenshot

