

OT150/100

SEDEMAC's OT150/100 is an Automotive IoT platform. This helps you build applications on your bike viz – remote & secure engine immobilizer, alerts on a friend/relative's phone if the bike crashes or rolls over & makes it possible to continuously update the Vehicle's firmware with Over the Air Upgrade.

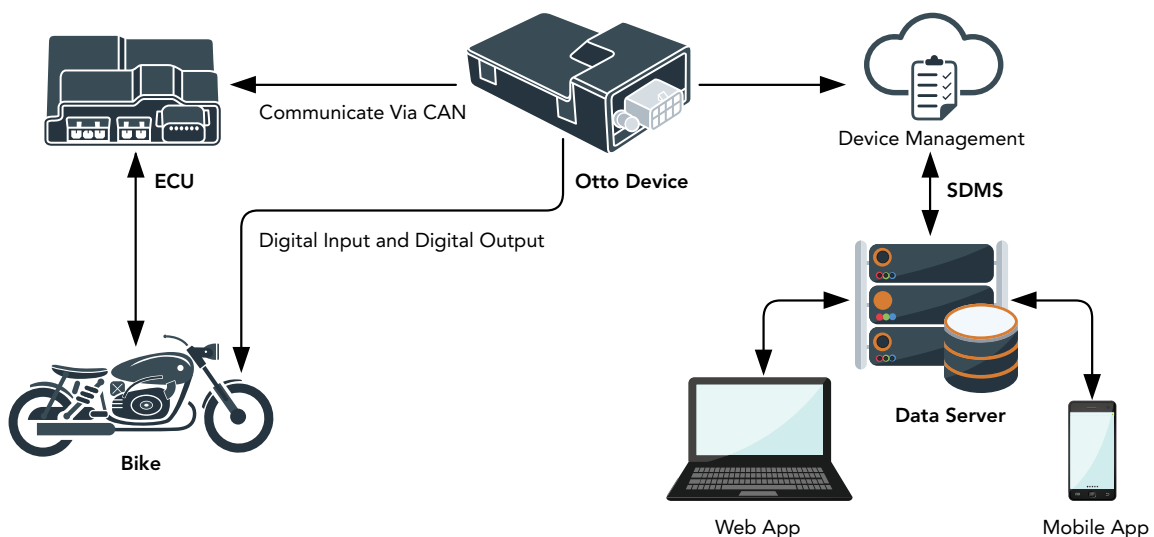
The platform comprises of an internet gateway device which can communicate over various ECUs via CAN, a "Device Management System" called SDMS which helps to Ensure that diverse user equipment is configured to a consistent standard / supported set of applications, functions, or corporate policies. Updating equipment, applications, functions, or policies in a scalable manner. Ensuring that users use applications in a consistent and supportable manner. Ensuring that equipment performs consistently Monitoring and tracking equipment (e.g. location, status, ownership, activity). Being able to efficiently diagnose and troubleshoot equipment remotely.

These devices come equipped with GNSS, cellular internet, and inertia sensor unit. OT interacts with on-board ECUs, SEDEMAC Device Management Service (SDMS), and data server via Cellular GPRS (2G/3G/LTE/NB-IoT*) communication.



Technology

- Auto Turn Signal Lamp indicator
- Roll Over Alerts
- Harsh Event Detection
- Highly power efficient and secure
- GNSS for geo-fencing and location tracking to detect thefts
- Can detect unauthorised use of the vehicle
- API support for enterprise grade integrations
- Onboard, manage, monitor, and update the devices using the SEDEMAC Device Management System (SDMS)





Software

- Full API Support for Asset Control, Integration and Data Collection
- Android & Web Applications
- Custom Dashboards
- Customizable Graph
- Geo-Fencing
- Over the Air Upgrades



Specifications

OT100



OT150



	OT100	OT150
Communication	2G	2G / NB-IoT / CATM1 + Bluetooth
Positioning	GPS	GPS
Application	Automotive	Automotive
Mechanical	9 cm X 4.5 cm X 3 cm	4.5 cm X 4.5 cm X 3 cm
IP Protection	IP69	IP69
Operating Voltage	8-18VDC	8-18VDC
Inertia Sensor	6 Axis (Accelerometer, Gyroscope)	9 Axis (Accelerometer, Gyroscope, Magnetometer)
I/Os	8-PIN (2 Digital Inputs, 2 Digital Outputs, CAN OR RS485, Power Supply)	8-PIN (2 Digital Inputs, 2 Digital Outputs, CAN OR RS485, Power Supply)
Security	TLS v1.2, SSL, SMQTT	TLS v1.2, SSL, SMQTT