

OTTO

SEDEMAC's OTTO is an Automotive IoT platform. **OTTO** comprises a resilient internet gateway device, highly secure firmware and a sharp device management cloud. These devices come equipped with GNSS, cellular internet, and inertia sensor unit.

OTTO interacts with on-board ECUs, SEDEMAC Device Management Service (SDMS), and data server via GPRS (2G) communication module.

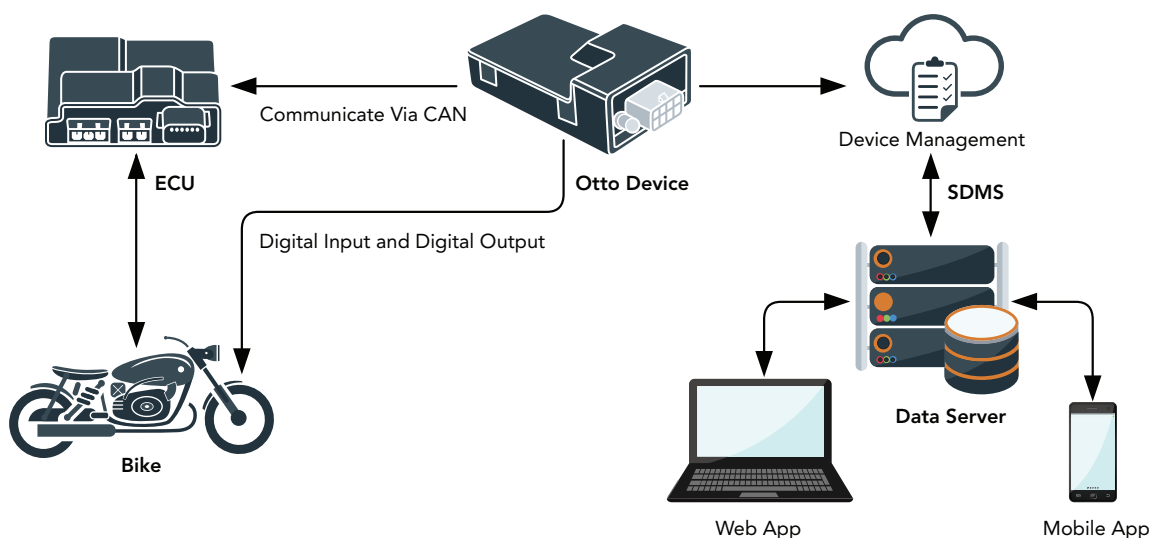
OTTO devices are meant for on-road & off-road mobility applications. These are highly power efficient devices which also offer immobilization feature.



Technology

- Inbound communication (ECU to OTTO gateway) and outbound communication (gateway to SDMS)
- 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)

OTTO





Specifications

Environmental

Operating/Storage Temperature

-10°C to 80°C as per IEC 60068-2-1, 2

Vibration

5G in X, Y and Z axes for 20-150 Hz

Humidity

0% to 95% RH, as per IEC 60068-2-78

EMI/EMC

Compliance as per IEC 61000-6-2, 4

Power Supply

8V-18V DC continuous

Frequency Bands

Quad-Band: GSM850, EGSM900,

DCS1800, PCS1900

Compliant to GSM Phase 2/2+

Sensitivity GPS

Acquisition: -149dBm

Reacquisition: -161dBm

Tracking: -167dBm

TTFF: Time to First Fix

Cold Start: <15s average @ -130dBm

Warm Start: <5s average @ -130dBm

Hot Start: 1s @ -130dBm

Horizontal Position Accuracy

<2.5m CEP @ -130dBm

Technical

Inbound Communication

CAN

Outbound Communication

2G (GSM & GPRS) with

1 Embedded SIM

Positioning

GNSS: Supports GPS Constellation

Digital Output

1 LSD & 1 HSD

Digital Input

2 Digital Inputs

Inertia Sensor Unit: X, Y, Z Axes

**SDMS & API Integrable with all major
Enterprise Software**

Free over-the-air upgrades