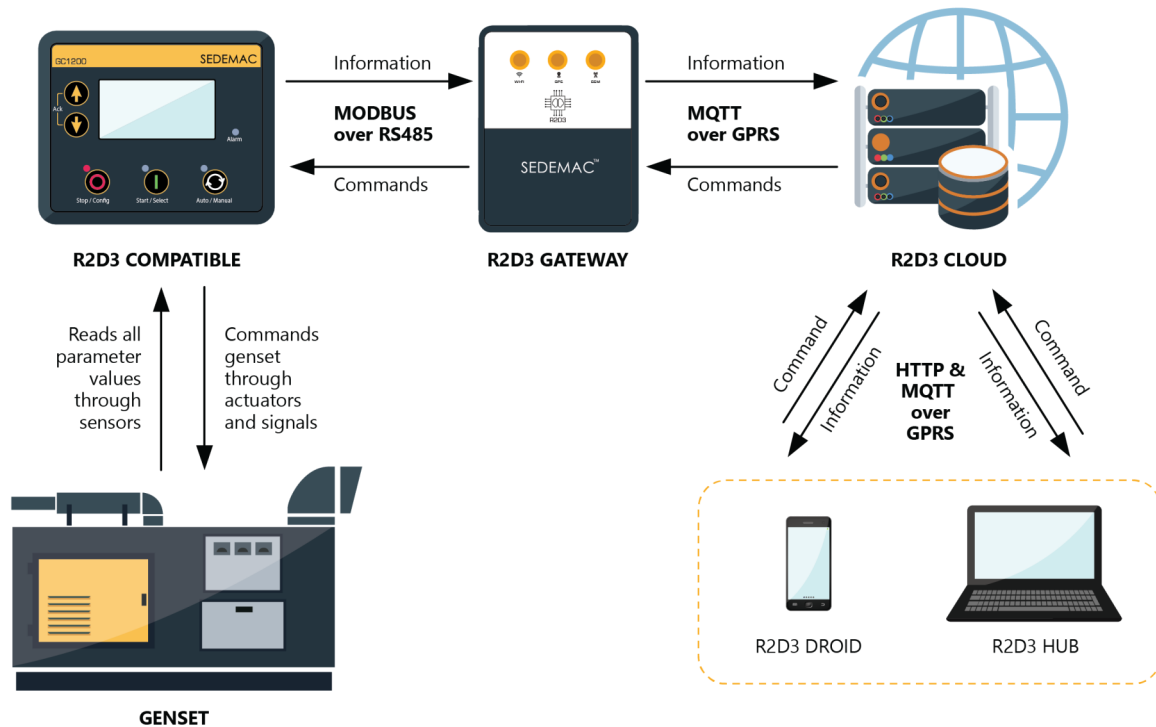


R2D3 IIoT Platform

For Remote Genset Monitoring and Control

R2D3 IIoT Platform



HIGHLIGHTS »

Genset monitoring and control through Web UI & Smart phones

Analytical reports and trend monitoring for easy decision making

Remote access to genset parameters with instant diagnostics reduces site visits

Robust hardware and excellent algorithm of the device allows to plug and play

SEDEMAC's R2D3 IIoT platform provides a web-based control and monitoring solution for SEDEMAC's control modules.

The user can access the genset information & parameters such as fuel level, oil pressure, engine temperature, load and so on from anywhere and anytime at fingertips through R2D3 Apps (mobile application) or R2D3 Hub (Web UI).

R2D3 Gateway offers real time notification alerts which can be sent to the user's hand held device.

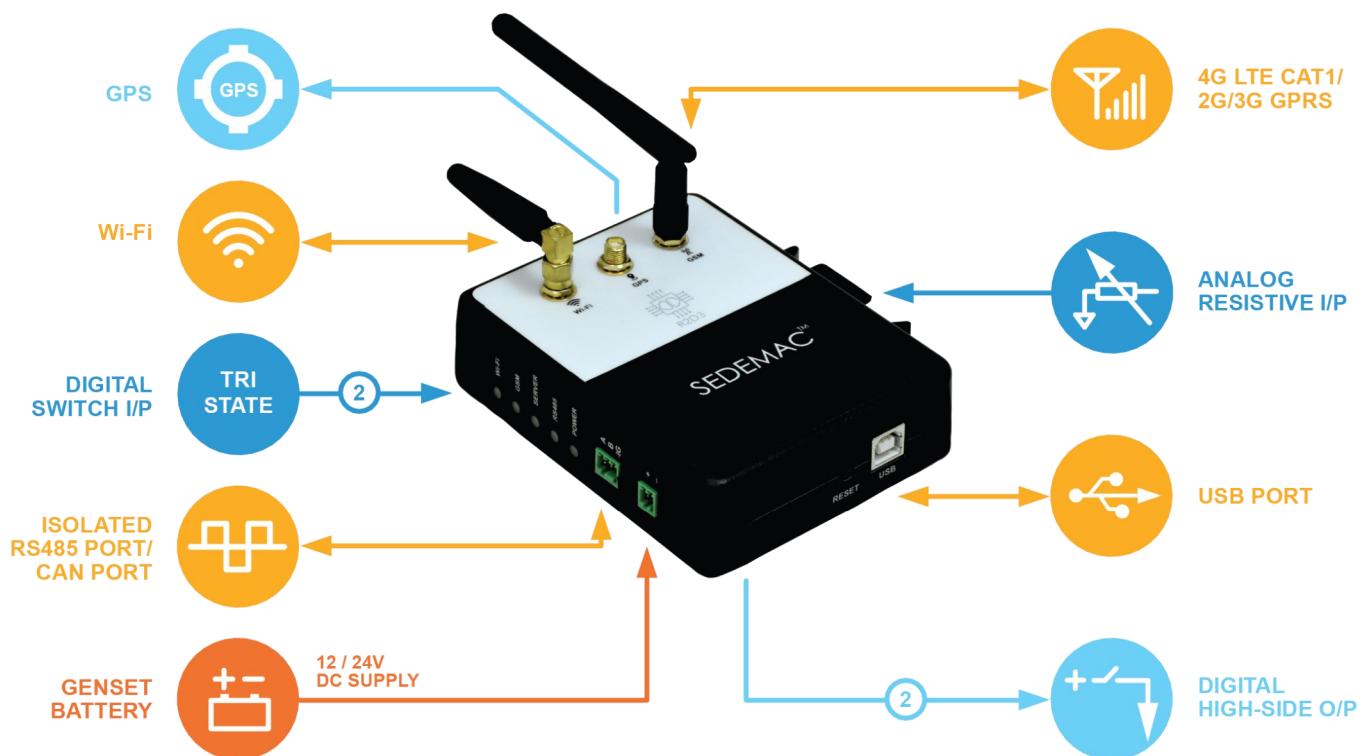
R2D3 platform allows user to access multiple genset sites on single screen at the same time.

Comprehensive on-screen information is presented in clear, graphical and numerical formats which are easy to navigate and operate.

R2D3 platform can be utilised to maximise system up-time by offering the most effective remote management tool.

R2D3 Gateway

SCHEMATIC »



FEATURES »

- Integrated 4G LTE CAT1 cellular modem for high speed Wireless Internet connection
- 2.4 GHz Wi-Fi connectivity in access point mode and station mode
- Provided with the multiple communication gateways viz. USB, RS485 and CAN
- Provides on-line information in graphical and numerical formats.
- Easy to navigate user interface
- Web based monitoring and control of genset from anywhere in the world through Web UI
- Smart phone connectivity for comprehensive data access through mobile app
- Remote data communication through SEDEMAC's dedicated server
- On-board memory to avoid data loss in case network is unavailable
- Uses MQTT protocol for communication which is globally accepted for IoT devices
- Easily integrable with multiple enterprise clouds and ERP applications

Ordering Information:

R2D3 Gateway SM0004757

SPECIFICATIONS »

Environmental Testing Standards

Operating Temperature

-30°C to 70°C as per IEC 60068-2-1, 2

Vibration

2G in X, Y and Z axes for 8-500 Hz as per IEC 60068-2-6

Humidity

0% to 93% RH as per IEC 60068-2-78

EMI/EMC

Compliance as per IEC 61000-6-2, 4

Power Supply

8V - 32V DC continuous

Shock

15 g for 6 ms, compliance as per IEC 60068-2-27

Technical

Digital Output

2 x 1A high-side drivers configurable outputs

Digital Input

2 configurable tri-state inputs

Analog Input

1 resistive input (10Ω - 1kΩ); fully configurable for various sources

Dimensions

External dimensions: 114.5 mm x 88.6 mm x 31.6 mm

Mounting Type

Standard DIN rail and screw

Cellular Interface

Cellular modem 4G LTE CAT1 standard-size SIM

SEDEMAC GENSET CONTROLS »



Genset Controllers



Electronic Governors



ATS Controllers



R2D3 IIoT Platform



Battery Chargers

About Company

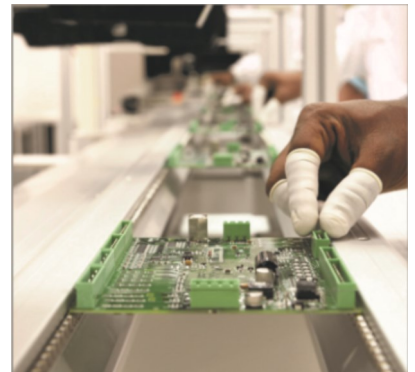
SEDEMAC Mechatronics is a mechatronic products company engaged in the business of control solutions for automotive and off-highway powertrains. The company manufactures a wide range of control products like a variety of AMF genset controllers, electronic governors and variable speed controls for diesel gensets / engines. SEDEMAC's portfolio for gasoline engines / powertrains includes products like Smart Ignition, Integrated Starter Generator (ISG), ECU, Automated Manual Transmissions (AMT) ECU, Electronic Fuel Injection (EFI) ECU and so on.

A group of researchers founded SEDEMAC in 2007 in Mumbai, India. What started as a small lab-based enterprise has now grown into a rapidly growing company that supplies / licenses unique control products to the leading OEMs in India.

Each of the SEDEMAC's products goes through complete cycle of need of identification, development of relevant technology, design of practical products around developed technology, validation of products coordinating with key potential customers, organization of supply chain for series production, delivery to customers and effective after sales product support.

SEDEMAC is #1 in genset market control in India today and is the preferred choice of leading OEM's for unique control products.

Our Facilities



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