

# IoT Controllers

Invendis provides a wide range of advanced IIOT based connectivity devices catering communication needs across various Industries.

Invendis provides a wide range of Advanced IIOT based connectivity devices catering communication needs across various Industries. We specialise in Gateway controllers, Energy Meters, Sensors and maintenance equipment.

## IOT CONTROLLERS

- ✓ i-Sense
- ✓ i-Route
- ✓ i-Smart

**Next Generation  
Digitization and  
Automation**

**Contact us:**  
**+91 80 2668 1681**

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 230, 1st Cross, 38th Main, B00HBCS Layout, BTM 2nd Stage, Bangalore – 560 068, Karnataka,

# i-Route

Invendis iRoute is one among the various models of IoT products in the iSense series. It is a ruggedized intelligent hardware which is capable of aggregating controllers which are connected over an IP and intelligently route them to Invendis NOC software – iTOC. It is also capable of interfacing to third party NOC applications by utilizing Invendis Middleware iDS.

iRoute is designed to establish communication channel to centralized server as well as decipher data. It can also be positioned as a gateway that can be utilized for remote access into controllers such as rectifiers and other IP devices.

iRoute features provide direct access to compatible site passive equipment controllers to user using the available smart data communication technology. The feature is designed to provide option of making configuration changes or to monitor the site equipment at any time from the Operations Centre

The smart feature will enable the request coming in from remote user to pass to end equipment making iRoute as a bridge for the communication. The feature requires a static IP over SIM network or an Ethernet connectivity with fixed IP or a VPN for secured communication between the server and the site equipment.

**IIoT for  
Telecom Towers,  
Distributed Energy &  
Sub metering**

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# iSense

## IoT Logger / Gateway / Controller

iSense is a IoT Logger / Gateway that used for industrial applications. It comes in various form factors to suit corresponding technical requirements.

It is an IoT computing device with embedded software applications that interfaces with the site equipment's, connects to sensors and to other third party systems that need to be monitored and controlled.

## Benefits

- ✓ In case of a change of state triggers alarms that are sent with immediate effect without being hindered by the scheduled time interval. The AI-based algorithms makes this possible.
- ✓ While the data transmission is set for an interval or during the triggering of the alarm, the data collection is done seamlessly and continuously. This data helps perform predictive maintenance improving Total Productive Maintenance (TPM).
- ✓ iSense also monitors the change in battery levels and fuel consumption to ensure better utilization of the energy, thus making lesser carbon footprints
- ✓ Increases site security and decrease theft of battery and fuel.
- ✓ The increased performance also increases the uptime without fluctuations

## Key Features

Predictive and Preventive measures

- ✓ Optimization of run hours
- ✓ Optimization of battery management
- ✓ Complete compliance with regulations
- ✓ Reduction of wastage of energy
- ✓ Better fuel management
- ✓ Energy cost management

## CONTACT US

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Invendis i-Smart is considered the smallest and a compact i-Sense model. It is a cost-effective controller that does the same functionalities as the higher end models, with differences of not having built-in I/Os and limited integration capacity.

## TECHNICAL DETAILS

GSM/ GPRS with Single SIM on-board for data acquisition and sending to server.

- ✓ Built in Micro Controller
- ✓ On board RTC
- ✓ USB Config Port
- ✓ Rs485 Port
- ✓ Single SIM with Quad Band GSM/GPRS/2G module with External Antenna
- ✓ Remote Monitoring Controller with built-in GSM modem – iSmart GSM
- ✓ Remote Monitoring Controller with built-in WiFi– iSmart WiFi

iSmart

Smallest and compact iSense model

iSmart

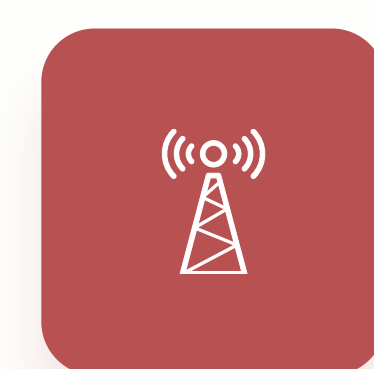
IIOT FOR TELECOM  
TOWERS, DISTRIBUTED  
ENERGY & SUB METERING

## What we do



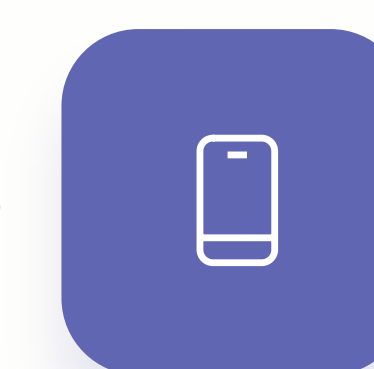
### Innovative products

We manufacture agnostic IoT, M2M & AI hardware & software products. Our hardware products can be installed in all weather conditions whereas our software can be deployed in VM and in all environments.



### Smart & Secure sites

Our products are used to make remote site equipment smart as well as to secure them with advance alarming & notifications transmitted on near real-time basis.



### Empower Field Force

We improve field force productivity with smart mobile applications and empower them with technology to directly access and control site equipment on the go.

### OUR SOLUTIONS HAVE SERVICED

140,000+

Telecom Towers

250MW+

Solar Portfolio

15+

Global MNO/ Tower CO

22+

Countries

500,000+

Connected Assets

20,000+

Enterprise Users

Invendis designs develops and markets the most widely usable remote monitoring systems and services to global infrastructure companies to enable them to monitor, control, maintain and manage their distributed infrastructure assets efficiently

We at Invendis Technologies India Pvt. Ltd. recognizes that Information Security and assets are the responsibility of each one of us in the organization. We are committed to creating a secure ecosystem that will enable us to secure information against unauthorized changes, tampering, destruction, or loss by implementing the "Information Security Management System".

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