

ecoSTAR IoT Gateway

Connect Sensors, Machines and Meters to the Internet in 5 minutes.

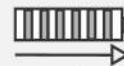


Photo shows **Sigfox** version.
NB-IoT/LTE-M version is available too.

KEY FEATURES



Plug n Play with Standard Industry Interfaces
RS485/Modbus, mA, V, RTD, Digital



Low Power Consumption
Runs on Battery Power for Years



Connects to **Low Cost**, Long Range NB-IoT/Sigfox/LTE-M
Wireless IoT Networks
No additional network infrastructure required

NB-IoT / LTE-M Adaptor

Wireless IoT Communication

Wireless Protocol : Cat NB1 , Cat M1
Data Tx: Typically 1-100MB/month
Connects to : NB-IoT/LTE-M Telcos
Compliance: FCC/CE Modules, IMDA



Sensor Interfaces

1 x RS485 : MODBUS RTU Protocol
1 x RTD : 2/3/4-wire (PT100/1000 sensor)
1 x Analog Input (*selectable*) : 4 to 20mA / 0-10V / 0-5V
1 x Digital Input : Dry Contact 1 x Digital Output : 3.3V level
Inbuilt GPS Sensor for Asset Tracking

Power Supply

1 x Lithium Thionyl Chloride Battery: 3.6V, 19000mAh each
External Supply Option: 12 to 24Vdc Stable Power Supply

Mechanical : 9cm x 13cm x 4cm, IP67 Capable, -20 to +50 deg C
Mobile App: Easy Setup and Updates over BLE
Modes: Event-based (alerts) or Interval Based Transmission

Wireless IoT Communication

Wireless Protocol : Sigfox RC4, 920-922 Mhz
Number of Transmissions: max 140 per day
Data Payload: 12 bytes data per transmission
Connects to : Sigfox Global Public Network
Compliance: IMDA, Sigfox Ready Class 0, FCC/CE Modules



Sensor Interfaces

1 x RS485 : MODBUS RTU Protocol
1 x RTD : 2/3/4-wire (PT100/1000 sensor)
1 x Analog Input (*selectable*) : 4 to 20mA / 0-10V / 0-5V
2x Digital Input : Dry Contacts

Power Supply

2 x Lithium Thionyl Chloride Batteries: 3.6V, 4000mAh each
External Supply Option: 12 to 24Vdc Stable Power Supply

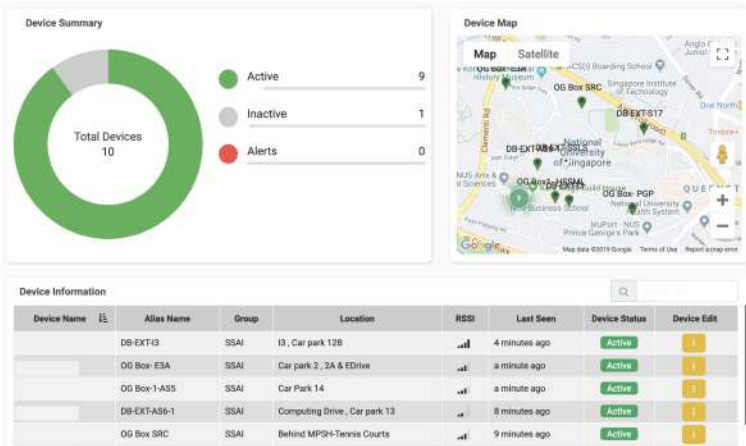
Mechanical : 10cm x 10cm x 4cm, IP67 Capable, -20 to +50 deg C
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ecostar IoT Cloud

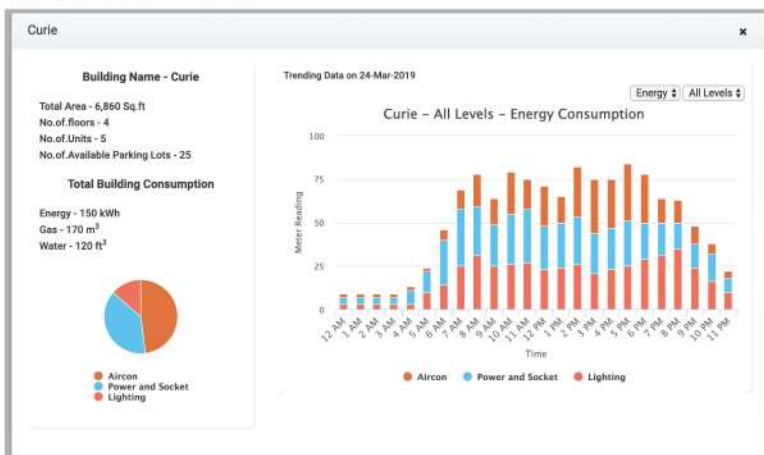
One Platform to Sense Anything, Anywhere.



Device Management



Analytics & Dashboards



Stores, analyzes and visualizes sensor data.

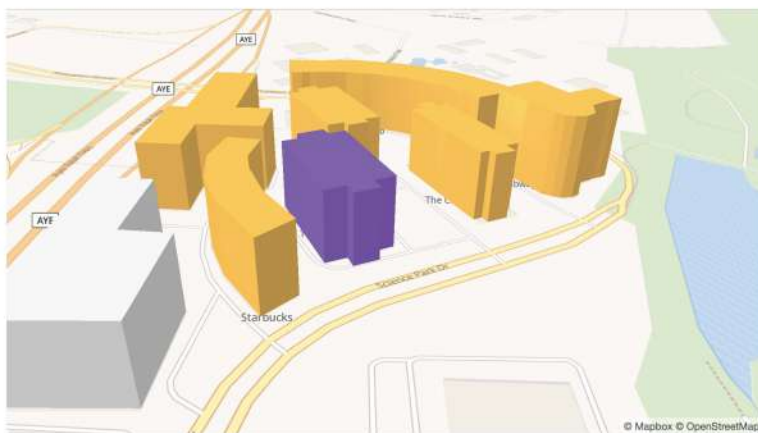
Amazing User Experience [Dashboards / 3D / Voice]

Rules & Alerts [SMS/Email/Whatsapp]

Analysis & Reports

API Interface

3D Visualization



Compatible with any Wireless IoT Network

Scalable & Secure

No Programming Required