

Generator Remote Monitoring

INTERNET SECURITY

X.508 Certificate based and mutual authentication and encryption at both Server and IOT device

OVER THE AIR UPDATE

IOT device supports over the air update. No need of offline update anymore!

ON CLOUD

No need of hardware or software installation as the entire infrastructure is managed by us over cloud

SCALABLE

Supports upto 1000 Assets per user as it is fully scalable architecture

EASY INSTALL

Device registration shall be done on the site though online device management



- ♣ Support 2G/3G/4G technology based on product selection.
- ♣ Optional GPS for location tracking
- ♣ Supports wide range of Generator controllers having Modbus-RTU RS485/232.
- ♣ External antenna provided for better signal quality.
- ♣ Support wide input supply voltage
- ♣ Suitable for outdoor installation

Monitoring

Geni continuously monitors the following parameters of diesel generator,

- Lube Oil Pressure
- Coolant temperature
- Fuel level consumption
- Battery Voltage
- Running Status
- Operating mode
- Alternator Frequency, Voltage & Current
- Main Frequency, Voltage
- Generator run hours, kw, kwh
- Generator number of starts



Alert

Geni send alerts SMS & eMail based alerts to operators incase of any faults / alarms. Esskay IOT Platform allows customer to configure the faults and alarms depends on their requirements.



Reports

Esskay IOT generates reports between dates for upto 7 days. Esskay analytical engine shall provide reports for longer duration.

TECHNICAL SUPPORT

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|------------------------------------|--|
| Dimension | : 120 mm x 120mm x 70mm (WDH) |
| Weight | : 400g Approx |
| Input supply voltage | : 10-35V DC |
| Power consumption | : 5W |
| IP Rating | : IP54 |
| Cellular communication | : 2G/3G/4G (based on product selection) |
| Generator controller communication | : Modbus RTU / Modbus ASCII / RS232/485 |
| Supported Genset controller | : ESSKAY / IG200 / RBECO / ENERTRAK / EMKO |
| Operating Temperature | : 60 dec C |
| GPS | : GNSS / GPS (Optional) |
| GPRS Antenna | : External – 3 meters |
| GPS Antenna | : External – 3 meters (Optional) |
| SIM Card Slot | : Micro SIM Slot |
| Memory | : 1 MB Flash |
| SRAM | : 128 KB – Embedded |
| Debug Port | : RS232 |
| Fuel sensor integration | : RS485 |
| OTA (Over the Air) | : Supported |
| SD Card | : microSD™ card (Optional) |
| Board Reset | : Reset pushbutton |
| LED Indication | : Power on, Modem On, Data exchange |

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