

DATASHEET

EDGE Insights™

Real-time analytics



Taoglas **EDGE Insights™** is your cloud-based software platform that allows for flexible, reliable and efficient gathering of data and life cycle management of EDGE devices from one dashboard

- Device management
- Sensor management
- Security management
- Connectivity management

It enables real-time insights and intelligence that drive optimization, cost savings, compliance and new revenue opportunities for our enterprise customers.

EDGE Insights provide everything to securely connect and manage your sensors, machines and devices remotely, removing complexity and allowing your organization to focus on today's business applications.

Key Benefits

- Manage your entire IoT deployment
- No upfront investment required
- Cloud, on premise or private Instance available
- PAYG – Pay-As-You-Go
- Easy to use web user interface
- Flexible data hosting and storage models
- Quickly triage device issues on (hardware, firmware cloud or network)

Comprehensive Security

- Encryption and mutual authentication
- IoT node security and ID
- Secure download and boot
- Ecosystem control
- Message security
- Anti-cloning

Sensor to cloud Validation Framework

- Test and validate new hardware
- Test and validate new firmware
- Test and validate new cloud applications and dashboards

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EDGE Insights™

Technical details



- Device Sensor Management (sample rate, upload rate, threshold triggers)
- Diagnostics (pinpoint if issues reside on hardware, firmware cloud or network)
- Battery Life Configuration and Management
- SIM Price Plan and Data Usage Configuration and Management
- Automatic Secure Device Provisioning
- Device Configuration Management
- Over The Air (OTA) Secure Firmware Updates
- Device Security Certificate Management
- Alarms/Alerts

User Management

- Create new users
- Categorize users into partner and dealer categories
- Device Provisioning & Security
- Automatic Device Provisioning
- Device Security Certificate Management
- Bulk provisioning of devices

EDGE Traffic Management

Optimize edge device data usage directly from the cloud and save traffic costs.

- Adjust data traffic to fit network operators price plans
- Optimise/compress data

Sensor Management/Control

Configure hardware sensors from the cloud:

- Add/remove new sensors
- Create new custom sensor types and data streams
- Switch sensors on or off
- Change sensor sample frequency
- Configure sensor units
- Control actuators

Data Management Compatibility (Via Cloud APIs)

- Microsoft Azure
- Amazon AWS
- IBM Cloud
- PTC ThingWorks

EDGE Power/battery Management

- Configure your devices to sense and upload data exactly when you need and save device battery power

EDGE Analytics (Fog Compute)

- Reduce latency of decisions
- Solve bandwidth problems
- Potentially reduce network traffic expenses

EDGE Device Diagnostics (Pinpoint)

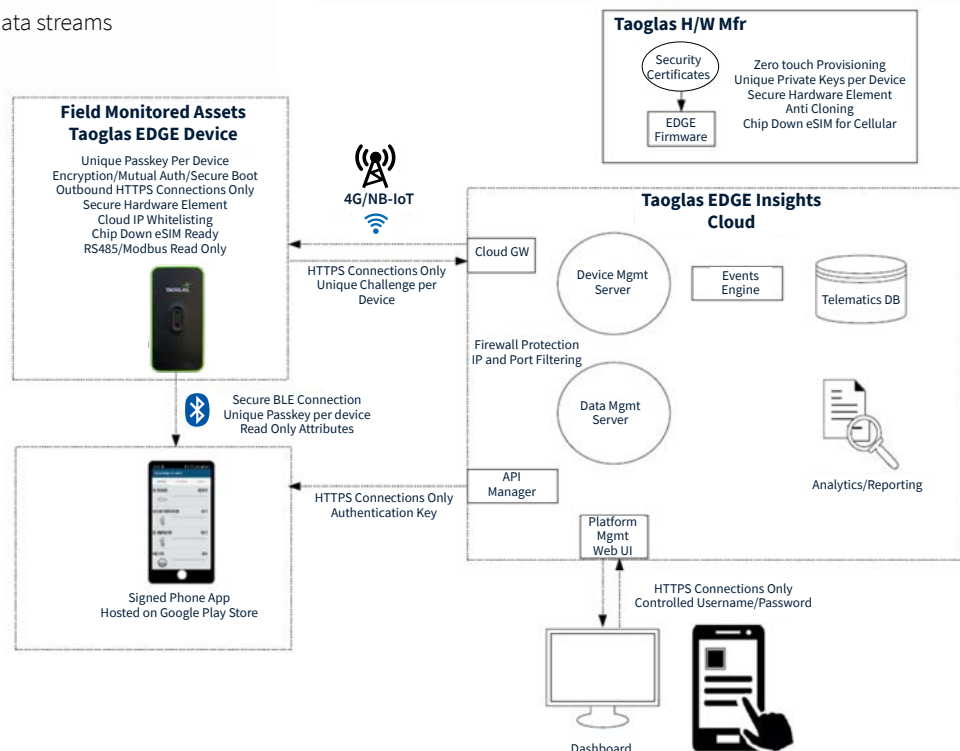
- Provide Alarms/Alerts/Statistics/Logging
- Capture device and cloud history logs for triage of issues
- Diagnose faults on device hardware and firmware issues
- Diagnose faults network and carrier issues
- Diagnose faults cloud data management issues

EDGE Device Configuration

- Change data upload interval
- Switch and sensors on or off

EDGE Firmware Updates

- Provide secure system firmware updates
- Provide secure modem firmware updates



For further details go to www.taoglas.com/product/edge-insights/