

LOKA MIND

The IoT cloud platform designed to manage all your things.

Configure every thing. Receive all the information you need, whenever you want.

DEVICE MANAGEMENT FUNCTIONALITIES

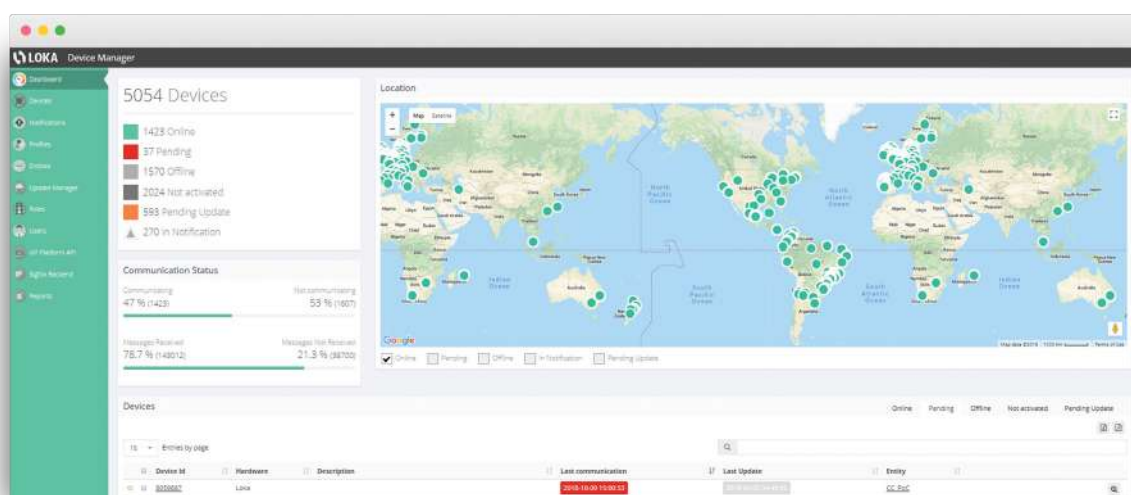
Dynamic alerts on sensor readings

Group and individual device operations

Over the air (OTA) Firmware update

APIs for 3rd party device and application

Ability to integrate and support 3rd party devices



*Available Now

CHOOSE WHAT YOU WANT TO MONITOR

Location

Temperature

Movement

Geofencing

Battery

KEY FEATURES

User Management

Entity Management

Geolocation services

Reporting

Data export

Bulk provisioning and editing

Alerts Configuration

Geofencing

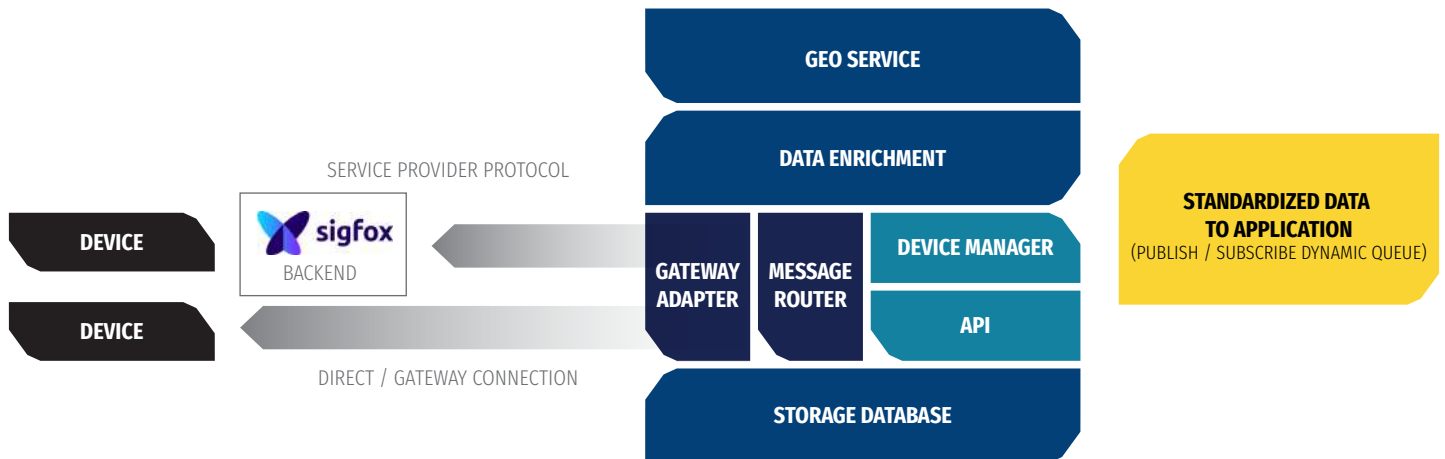
Device Information

Device Configuration

Need more info?
Send us an email to hello@loka-systems.com

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IOT CLOUD PLATFORM ARCHITECTURE



LOKA MIND is fully Cloud based, deployed on multiple geographies and multi cloud suppliers, to achieve load distribution and disaster recovery, and is composed of several functional modules:

- **Gateway Adapter** - Device data entry point with support for Service Provider Networks (e.g. Sigfox). The Gateway implements the Device Authentication & Authorization;
- **Message Router** - Routes messages to and from applications, to device(s) and from device(s) to applications, based on a publish-subscribe system;
- **Device Manager** – User interface for device configuration/management and sensor data analysis;
- **API** – Interface to explore and store device data on external applications;
- **Data enrichment** - interface for data enrichment based on the sensor data of the devices;
- **Geo Server** – Returns a location and accuracy based on information of Sigfox base stations and Wi-Fi access points sent by the device;
- **Database** - Cloud Database Cluster for both IoT Core and Geo service, with multiple instances of the databases with automatic synchronization, failover and disaster recovery;