

Haxiot X-ON™ Platform Overview



Haxiot provides a complete end to end enterprise LPWA IoT solution. The core solution is built around the X-ON™ Cloud platform, designed for large scale management of IoT devices & gateways. Haxiot provides a complete solution for provisioning, managing and exporting data for standards compliant LoRaWAN devices.

Pre-configured data APIs with the most important cloud platforms such as Amazon Web Services, Azure, IBM Watson and many more. Securely connect your devices with AES 256bit encrypted infrastructure.

SIMPLE DEPLOYMENT

X-ON™ has been designed for highly automated deployments of LPWA solutions. Use either the API or Web based deployment to rapidly deploy an IoT network.

SCALABLE

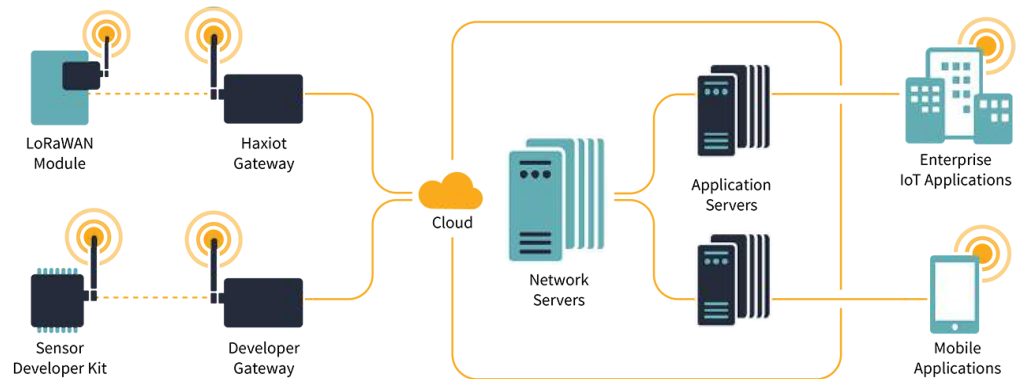
Superior scalability enables X-ON™ to grow with your business needs, just enable more licenses to grow.

COMPLETE SOLUTION

Combine with Haxiot Client modules and Haxiot gateways for a complete Low-Power Wide Area network solution.

For more information on any of our solutions please visit us on the Web at: www.haxiot.com

Haxiot End to End Solutions



Haxiot simplifies LPWA solutions for enterprise customers. Use cases are faster to market and lower cost than assembling through the disaggregated Lora ecosystem suppliers

X-ON™ supports LoRaWAN gateways from Haxiot or other 3rd suppliers with the Haxiot Gateway Software stack. Automated device management with automated fault analysis and logging simplifies operational management tasks. Preconfigured rules for dead-device detection.

Haxiot X-ON™ supports Multicast for 1000x capacity increase in Command & Control networks. Using our Device, Gateway & Cloud APIs, system vendors can rapidly develop and deploy new IoT solutions.

Benefits

- LoRaWAN
- Multicast
- Private or Cloud
- Secure
- Multi API data export
- Mobile and Web

Key Features

CLOUD VS DEDICATED

The X-ON™ platform is available as a secure cloud instance or can be deployed as a dedicated instance in a private datacenter.



Message Delivery

Scheduling uplink and downlink messages to devices



Security & Authentication

AES encryption and secure key management



Messaging API

Secure APIs to 3rd party provisioning, fault and application servers



Device management

Performance, configuration, battery reporting, location



Gateway Management

Configuration, statistics, location



Radio management

Manage channel plans, frequency allocations for Gateways & Devices

Advanced Features

Fault & Alarm Management – Provide real-time alarming for active alarm conditions plus event correlation and advanced multi-element rules.

Provisioning – Provision secure device keys either on the platform or directly from a contract manufacturer. Reduces cost and simplifies deployment of devices into the field

Analytics & Reporting – The key benefit of the Haxiot X-ON™ NS platform is about analyzing the incoming data in real time to create actionable insights. The Analytics & Reporting engine can provide custom views of the historical data and provide reports for critical business KPIs

Data Visualization Dashboard – Drag and drop dashboard for highly customized dashboards.

Real-time Response Engine – The Real-time response engine enables rules for real-time actions, for example sending commands to end-devices or dispatching field services engineers in response to a detected event in the network. The real-time response engine is a high-performance rules based system that allows advanced policy to be applied to data as it flows through the platform. The rules and actions are customizable for each service.

API SUPPORT

RESTful

HTTP/HTTPS

MQTT

WEBSOCKET

