

# OnLogic-EdgeIQ AWS IoT Solution for Industrial & Embedded Applications

Turn-key offering simplifies and scales device deployment, monitoring and management with high availability of AWS IoT Greengrass

## Key Benefits

### Simplify

Customers bring their own accounts and enter their credentials to automatically configure AWS IoT Core and AWS IoT Greengrass; there is no need to preconfigure any of these services in advance

### Automate

Once connected to the appropriate network, EdgeIQ-enabled devices will receive all their necessary configurations, software updates, and AWS IoT Core and Greengrass credentials.

### High Availability

Deploy AWS IoT Greengrass-enabled edge computers and endpoints in a managed and High Available architecture. Real time monitoring, alerting, re-start and auto-failover with seamless data capture.

## OnLogic-EdgeIQ is an APN Partner solution that can be rapidly deployed on AWS.

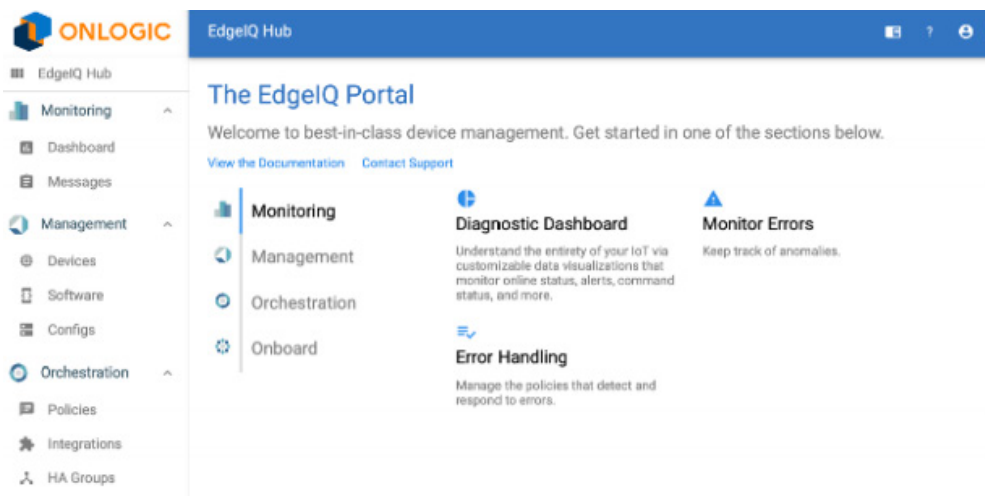
Designed for industrial and embedded solutions, OnLogic leverages EdgeIQ and AWS IoT for feature-rich device management and integration to powerful AWS computer services at the edge and in the cloud. With the integrated solution, edge processing serverless computing, machine learning, event management and secure data federation is offered as an out-of-the-factory capability. OnLogic and EdgeIQ are AWS IoT Competency Partners.

## Solution Highlights

OnLogic edge computers enabled with AWS IoT services and EdgeIQ's platform seamlessly extend AWS services to the edge. This allows industrial and embedded systems to leverage AWS Lambda functions, Machine Learning and the ability to act locally on edge generated data. Simultaneously, customers can leverage AWS cloud services for overall management, data and system analytics, and durable storage.

- **Effortless Service Integration:** Bring your own accounts and zero-touch provisioning automatically configures and updates the device, AWS Greengrass, and Lambdas.
- **Complete Device Lifecycle Management:** Easily manage OnLogic devices from initial deployment, to service and device monitoring to automated software updates.
- **Industrial Grade Hardware & Connectivity:** Deploy OnLogic devices with EdgelQ in the most extreme of industrial and remote environments.
- **High Availability AWS IoT Greengrass:** Maximize uptime with automatic restart or failover of edge components and applications including AWS Greengrass.

## Portal Screenshot



### Challenges

Beyond reliable, industrial grade connectivity, customers seek to simplify deployment and management of device fleets. They want device data to flow into their AWS IoT Core accounts and to leverage AWS IoT Greengrass for edge compute capabilities.

### Solution

The OnLogic-EdgelQ, AWS IoT solution allows the collection of trillions of data points from industrial systems and processing of that data locally, then normalize, filter/throttle it before securely transmitting to the target AWS cloud service.

### Results

The customer benefitted from a turn-key high availability, robust hardware and software solution that was fast to deploy, easy to manage and easy to maintain that leveraged existing customer facing AWS based cloud services and applications.

To learn more about OnLogic-EdgelQ's expanded offering with AWS IoT Greengrass, visit [www.edgeiq.io/onlogic-edgeiq](http://www.edgeiq.io/onlogic-edgeiq).