

# Striim for IoT

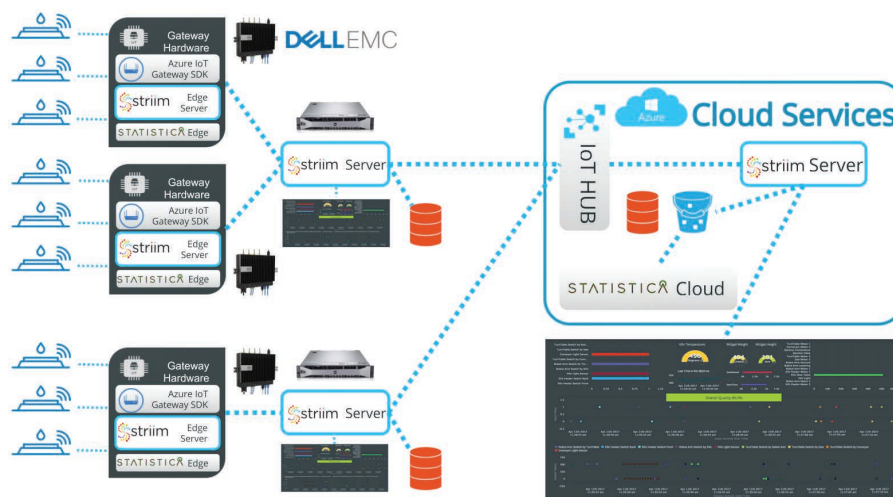
Striim enables businesses to combine IoT data with the rest of their enterprise data for timely and rich insights into their business and IT infrastructure, including the ability to detect and prevent cyberattacks. In addition, Striim provides the flexibility to run streaming processing and analytics where it makes most sense for their business, delivering rich insights in the right place at the right time to create maximum value.

## Why IoT?

By connecting physical devices to the digital world, the Internet of Things (IoT) has transformed how businesses interact with the physical world and control their operations. By using IoT data along with other enterprise data, businesses are able to expand both the breadth and depth of their operational insights.

## Striim for IoT

While IoT has a great potential to transform business operations, it brings challenges in managing extreme data volumes and harnessing perishable insights from this high-velocity data, while exposing the business to cybersecurity threats. With an end-to-end streaming data platform, Striim for IoT addresses major IoT data management and analytics challenges and allows businesses to garner clear value from their IoT data.



## The Power of IoT

- **Better understand** customers' needs and experiences
- **Empower employees** with critical data and insight
- **Offer new products** that unlock new revenue streams
- **Optimize operations** to deliver higher quality products and services, faster

## Why Striim for IoT?

- Flexible architecture with edge-processing and analytics
- Broad support for IoT connectivity and enterprise data sources
- Enterprise-grade security, reliability, scalability
- Easy-to-use with drag and drop UI and centralized control of edge servers
- Strong partner ecosystem

Striim for IoT is most commonly used for the following data management solutions:

- **Smart data architecture with edge processing to outsmart the IoT explosion:** Striim combines IoT data with other enterprise data to help deliver a complete and reliable understanding of operations. Striim offers in-flight processing wherever it makes sense: at the edge – to minimize the burden on the network and storage – on-premise, or in the cloud. By filtering out and aggregating IoT data, companies can optimize the use of limited storage space and extend the lifetime of existing investments. The ability to perform in-flight enrichment further provides much-needed context for IoT data to gain actionable insights.
- **Flexible streaming analytics – at the edge, on-premise, and in the cloud:** With its streaming analytics capabilities, businesses gain immediate insights from their IoT data while the data is in-stream, before it becomes less relevant and actionable. After ingesting sensor data from devices or IoT gateways in real time, and processing it in-flight, Striim performs streaming analytics – such as multi-source correlation at the edge – to enable timely action close to the source. Striim can also deliver analyzed IoT data to a centralized location, in the cloud or on-premise, for advanced streaming analytics to gain further operational insights.
- **Comprehensive streaming analytics to bolster cybersecurity:** Striim’s real-time analytics capabilities enable companies to accurately detect and prevent cybersecurity breaches and attacks, mitigating IoT-related security risks. With its ability to analyze various data sources in real time, Striim can discover relationships that point solutions cannot detect with their siloed approach and rigid business logic. Security analysts can access the information they need immediately and focus on developing preventative measures rather than preparing data for analysis.

## Easy Deployment, Management, Monitoring with an Enterprise-Grade Platform

Striim’s edge processing and edge analytics options come with automated management and real-time monitoring functions to speed time-to-market and minimize management resources. Using Striim’s edge controller feature, users can build and modify edge processing and analytics flows in the main Striim server, and easily push them to the edge servers they choose. Similarly, via the main Striim server, users can easily monitor Striim’s status and key metrics running on the edge servers.

## Strong IoT Partner Ecosystem and Broad IoT Connectivity

Striim partners with several leading IoT vendors to enable end-to-end IoT management solutions, including Microsoft, Fujitsu, Statistica, and Dell EMC.

Striim natively supports different IoT connectivity protocols including MQTT, TCP, UDP, HTTP/S, WebSockets, and AMQP to capture sensor data directly from devices. In addition, via partner Protocol Translation Gateways such as Azure IoT Gateway SDK and Wireless Glue, Striim can also support OPC-UA, Modbus, ZigBee, and BACnet.

For more information or to request a demo of the Striim for IoT platform, please contact the Striim Team at [info@striim.com](mailto:info@striim.com).

