



# CUMULOCITY IoT EDGE

powered by Dell Technologies

## CONNECT, POWER UP, GO!

### Get faster on the industrial Internet of Things

Cumulocity IoT Edge powered by Dell Technologies—a joint plug-and-play solution by Dell Technologies and Software AG—is your key to getting value from the Industrial Internet of Things (IIoT) faster. This high-performance industry-proof solution, combining hardware, software and services, works from the get-go with no adjustments necessary. Cumulocity IoT Edge helps you implement your digitalization strategy quickly and stay ahead of the competition.

### Key benefits

#### Quick start

With Cumulocity IoT Edge powered by Dell Technologies, you can connect any number of different end devices and sensors in just a few minutes. With features like integrated streaming analytics, preconfigured smart rules and field bus connectivity, you can begin to create complex IIoT solutions quickly and smoothly.

#### Efficient

To minimize latency, data traffic and storage volume, Cumulocity IoT Edge processes large data volumes necessary for sophisticated analytics close to the data source. Only data needed for additional analysis is transferred to the cloud. That saves you costs.

#### Autonomous

Key manufacturing processes require autonomous IoT solutions. With Cumulocity IoT Edge, you can control machinery and production processes in offline mode and during periods of unstable connectivity—reliably and efficiently.

#### Scalable

Highly scalable server architectures ensure the right performance for a wide range of applications. You can scale vertical and horizontal IIoT solutions easily with Cumulocity IoT Edge thanks to a uniform software architecture (including APIs and an analytics engine) across the cloud, the core and the network's edge.

#### Productive

Thanks to the solution's embedded intelligence, you'll boost productivity and automate the entire server lifecycle—from cradle to grave.

#### Secure

Each server comes with an extensive security layer and is enhanced with Cumulocity's software-side (carrier grade) security mechanisms, guaranteeing protection of your enterprise and your customers.

## Inside the solution

The Dell EMC innovative hardware secures and transfers data from sensors and production facilities and, in combination with Software AG's Cumulocity IoT Edge, creates a user-friendly software appliance. It's placed at the edge of the network with connectivity to local IoT devices. The appliance prepares, filters and aggregates data before sending it onto enterprise applications or the cloud for further processing. The appliance includes time-saving industry-specific software solution modules, for example, for mechanical engineering, manufacturing and logistics.

Cumulocity IoT Edge is a single-server version of the market-leading Cumulocity IoT platform with extensions and modifications for on-site operation. You can do on-site integration of business apps (such as SCADA apps), generate dashboards for operators and control end devices locally and from the cloud.

Servers and gateways are controlled from the cloud via the same interfaces as end devices. This simplifies the introduction of edge computing and control of compatible field devices.

Using the embedded Apama Streaming Analytics engine, you can process high-speed streams of data from industrial machinery and digital industrial processes—the foundation for easy development of predictive-maintenance solutions.

The uniform software architecture enables you to deploy the same APIs, data models and analysis models for development, from the controller to the gateway and from the on-site data center to the central cloud solution. This simplifies development and adaptation of Cumulocity IoT Edge to address specific on-site requirements.

## Choose the package right for you:

- Small for the quick creation of prototypes, getting familiar with the technology and conducting feasibility studies and field tests on your digitalization strategy
- Medium or large optimized for production and assembly plant digitalization solutions

## Take the next step



### Contact:

**Diana Lee**

diana.lee@softwareag.com  
VP, Regional Partner Sales DACH,  
Software AG

**Dr. Tobias Hartenstein**

tobias.hartenstein@softwareag.com  
Manager IoT Partnership Integration,  
Software AG

**Dorian Gast**

dorian.gast@dell.com  
Head of Business Development IOT  
Germany, Israel, UAE,  
Dell EMC

**Darrin Currier**

Darrin.currier@dell.com  
Director Systems Engineering OEM,  
Dell EMC



## ABOUT SOFTWARE AG

Software AG (Frankfurt TecDAX: SOW) helps companies with their digital transformation. With Software AG's Digital Business Platform, companies can better interact with their customers and bring them on new 'digital' journeys, promote unique value propositions, and create new business opportunities. In the Internet of Things (IoT) market, Software AG enables enterprises to integrate, connect and manage IoT components as well as analyze data and predict future events based on Artificial Intelligence (AI). The Digital Business Platform is built on decades of uncompromising software development, IT experience and technological leadership. Software AG has more than 4,500 employees, is active in 70 countries and had revenues of €879 million in 2017. To learn more, visit [www.softwareag.com](http://www.softwareag.com).

© 2018 Software AG. All rights reserved. Software AG and all Software AG products are either trademarks or registered trademarks of Software AG. Other product and company names mentioned herein may be the trademarks of their respective owners.

2018\_8\_Corporate\_FS\_CumulocityIoTEdge\_powered\_by\_Dell\_Technologies

