FactoryTalk
by **ROCKWELL AUTOMATION**

Intelligently manage your growing industrial edge footprint and apps from anywhere—at scale

FactoryTalk® Edge™ Manager

New world, new problems

Industrial data and processing at the edge is rapidly increasing due to the digitalization of distributed asset touchpoints on the plant floor. Given the challenge, industrial organizations seek to reduce latency for intelligent applications running outside data and process more data at the edge. They also deem it critical to have data security, quality and lifecycle management at the edge for local workloads and data governance practices. In short, customers want to manage industrial edge devices in a simple, yet scalable and more secure manner.

As an Industrial Transformation (IX) leader, you must lay the groundwork for a long-term edge computing strategy with FactoryTalk Edge Manager that will maximize edge deployment success; empower OT personnel to manage all devices from anywhere; and manage the deployment of apps on those devices efficiently— while improving your security posture.

Purpose built for OT administrators

FactoryTalk Edge Manager is an intelligent, centralized edge management and orchestration solution that is cloud accessible from anywhere. FactoryTalk Edge Manager delivers higher productivity and efficiency for managing edge devices and app deployment from one pane of glass. The new cloud software also offers an excellent security posture with zero-trust model and provides flexibility for complex use cases and catering to any hardware or cloud provider. Our solution is optimized and tested to run on pre-validated hardware with several compute and storage options—simplifying device onboarding and guaranteeing a positive, end-to-end experience. However, you have the flexibility to choose nearly any hardware setup for FactoryTalk Edge per your needs.

Effortlessly onboard and manage industrial edge devices or fleets

Onboard, configure and monitor devices at scale—effortlessly and from anywhere. No need to schedule OT administrator visits in remote plants. Now you can provision edge devices with one touch and conveniently configure preset profiles for similar equipment for consistent and more secure deployment. Once onboarded, you can manage your devices as fleets per your unique business needs. You can also visualize the status of all edge devices in a granular manner from any cloud location. Best of all, you never lose control even when edge network connectivity is lost because productivity updates are automatic when network connectivity is restored.

Future-proof your business with flexible app deployment at the edge

Solve evolving industrial edge use cases with a curated app marketplace where you can easily deploy public apps—including Rockwell Automation PartnerNetwork™ Apps—or private apps within your organization. These edge apps can be deployed in virtual machines, as containers or as cluster-aware apps on edge devices as needed. You can easily share applications within the organization and achieve code-level consistency for apps at all edge devices or fleets. To maximize security and relevancy, the visibility of these public or private apps can be set for authorized users only. With FactoryTalk Edge Manager, you can now seamlessly orchestrate intelligent applications at the distributed edge to gain access to critical insights, make real-time decisions and maximize operational efficiency.

Benefits

Higher productivity and efficiency

- Centralized, zero-trust edge device deployment
- Remote fleet management for software maintenance
- Edge app marketplace for tackling diverse OT needs

Easier manageability and flexibility

- Single edge management solution for simple or complex use cases
- Single pane of visibility for management of edge devices and apps
- Ability to bring your own hardware and apps – send the data to wherever you want

Excellent security posture

- Zero-trust security model to better secure devices at the silicon level
- Security profiles for devices and distributed firewalls at app levels
- Integrated visibility, audit and compliance
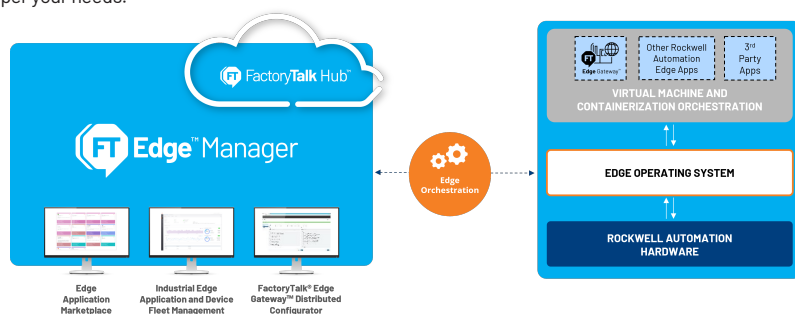

Prepare to scale your edge strategy
Set the right foundation for managing your growing edge footprint

## Drive excellent OT/IT convergence—right from the birthplace of edge data

Give your industrial edge data meaning with the FactoryTalk® Edge Gateway™ app—included with FactoryTalk Edge Manager—that helps you connect to disparate data sources at the control layer, add OT context, assemble it into a flexible common information model, and push it into downstream IT applications. Contextualized OT data makes it easier for IT applications to unlock insights across your enterprise. Moreover, with up to 70% less required data preparation time for analytics/ML models, your analysts or data scientists can focus on using higher-quality data to detect and resolve equipment issues and improve production output.

Secure your edge with heightened security posture

Achieve a zero-trust security model for devices at the silicon level, configure security profiles for devices and tap distributed firewalls at app levels. You can control access to authorized users with configurable roles and policies, and even inherit the organization model and permissions from FactoryTalk® Hub™. Our comprehensive solution improves protection against cyberattacks with signed configuration and images, hardware root of trust, measured boot and remote attestation. With integrated visibility, audit and compliance capabilities at your fingertips, you are in the full control.
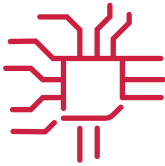
Hardware Root
of Trust
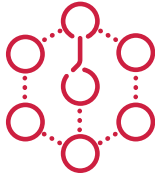
Distributed
Firewall

Layered
Security Model

Centralized
Management

Want to learn more?

Visit FactoryTalkEdge.com

Capabilities

Onboard and manage edge devices

- Provision edge devices with one step
- Visualize the status of edge devices from any cloud location
- Drill down to any single device or manage them as a fleet

Publish edge apps

- Choose from a curated selection of applications, build your own, or bring apps you find from other vendors
- Deploy containerized, virtual machine or cluster-aware apps
- Share applications with your organization

Drive excellent IT/OT Convergence

- Give your industrial edge data meaning with the FactoryTalk® Edge Gateway™ app—included with FactoryTalk Edge Manager
- Connect to disparate data sources, add OT context, assemble a flexible data model and push it into downstream IT applications
- Leverage higher-quality data to drive industrial outcomes

Flexible deployment options for edge hardware

Option 1:

Choose from certified and validated hardware, such as the ASEM™ 6300B edge computers, pre-installed with the edge operating system

- Initially planned compute platforms:
  - i3 / 16GB RAM
  - i7 / 32GB RAM
  - **Many more to come**

Option 2:

Bring your own hardware
Install edge operating system on any hardware of your choosing

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