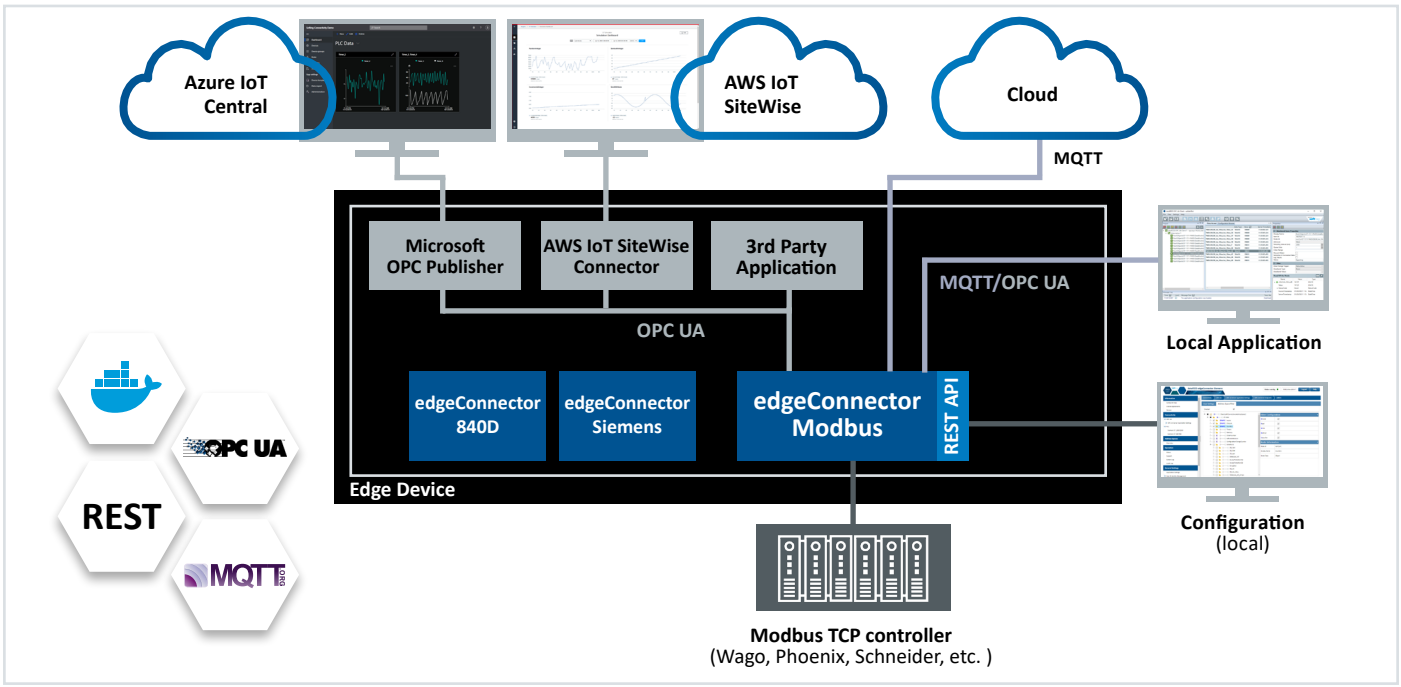
edgeConnector Modbus

Software for Connecting Modbus TCP Controllers with IIoT Applications

- **Easy access to data from Modbus TCP controllers via OPC UA and MQTT**
- **Deployment and configuration via management systems, e.g. Azure IoT Edge or AWS IoT Greengrass**
- **Local configuration via web interface or remote configuration via REST API**



Access to data in Modbus controllers by OPC UA clients

- Access to Modbus controls, e.g. from Schneider Electric, Wago, Beckhoff, Phoenix Contact, etc.
- Integration of higher-level management systems such as ERP, MES or process visualization via integrated OPC UA server
- Standardized OPC UA communication for data integration or for data exchange with other docker containers like Microsoft OPC Publisher or Amazon AWS IoT SiteWise
- Suitable for retrofit upgrades of existing systems, thus protecting previous investments
- Namespace configuration using a text file created by the user with standard Modbus syntax
- Creation of up to 20 Modbus-TCP connections with a container runtime

Easy cloud-driven or local deployment

- Images available in different online repositories like Docker Hub, Azure Container Registry (ACR) or Amazon Elastic Container Registry (ECR)
- Simple data transmission to an MQTT broker using the MQTT publisher functionality for local or cloud-based solutions
- Operation of the application on any operating system-independent hardware with a virtualization environment for local or global access to process data
- Licensing via Softing Floating Licence Server

Lightweight Flexible Container Solution

- Less resources plus increased scalability and flexibility
- Support of security standards as SSL/TLS, X.509 certificates, authentication and data encryption
- Highly flexible state-of-the-art application to be started or stopped immediately, if needed
- Deployment and configuration also via management systems such as Softing DMS, Kubernetes, Azure IoT Edge or AWS IoT Greengrass

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Technical Data		
Supported Controllers	Modbus TCP-compatible controllers (Schneider Electric, Wago, Beckhoff, Phoenix Contact, etc.)	
Supported Protocols	Modbus TCP, OPC UA, MQTT	
Supported Data Areas	INPUT/OUTPUT/HOLDING register	
Supported Modbus Data Types	BIT (read-only), WORD, DWORD, REAL, INT, DINT, DOUBLE	
Supported MQTT Features	MQTT Publisher V3.1.1 & V3.1, TCP, SSL, WS, WSS, (including certificates), QoS, Retain, LastWill & Testament	
Supported OPC Specifications	OPC Unified Architecture V1.04	
OPC UA Roles	OPC UA Server	
OPC UA Profiles	Data Access	
OPC UA Security	Security methods	Aes256Sha256-RsaPss Aes128SHA256-RsaOaep Basic256Sha256 Basic256 Basic128Rsa15 None
	Authentication	Anonymous Username and password Certificate
OPC Compliance	Implementation of conformity tests with test software from the OPC Foundation	
Logging, Diagnostics	Built-in trace and audit logging facilities, configurable and accessible through the web interface, Docker integrated trace logging	
Supported Operating Systems	Linux (Docker Engine), Windows 10 (Docker Desktop), Windows 2k19 Server (Docker Enterprise Edition)	
Supported Architectures	AMD64	
Minimum Hardware Requirements	275 MB free disk space, 2 GB RAM	
Licensing	Licensed via Softing Floating License Server	
Demo Version	Full functionality, time limited to 72 hours	

Scope of Delivery	
Software	dataFEED edgeConnector Modbus, download via Docker Hub or Azure Marketplace
License Key	E-mail delivery after purchase
Documentation	Online: www.github.com/SoftingIndustrial/datafeed-edge-connector

Order Numbers	
LRA-XX-142100	dataFEED edgeConnector edgeData 100 (license for 100 data items)

Additional Products and Services	
LRL-DY-140004	dataFEED Secure Integration Server, single seat license for up to 100 OPC UA connections, including maintenance and support contract for 1 year

Your local Softing contact:

https://industrial.softing.com

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