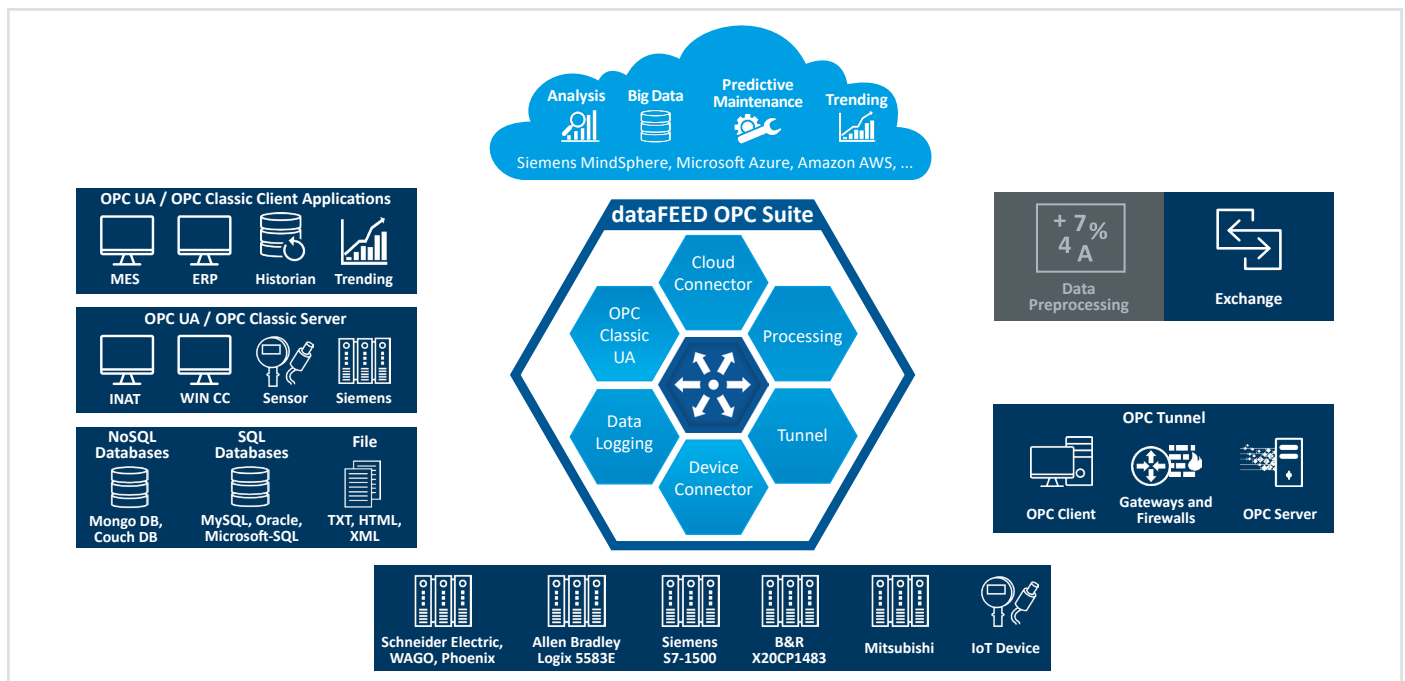


dataFEED OPC Suite Base

All-in-One solution for OPC UA communication and Big Data, IoT cloud connectivity

- Access to process and diagnostic data in controllers of leading manufacturers, including Siemens, Rockwell (Allen Bradley), B&R, Mitsubishi
- Integration of legacy OPC Classic components and applications into modern Industry 4.0 OPC UA solutions
- MQTT, MindConnect and REST gateway for integrating production data in IoT cloud and Big Data solutions, e.g. Microsoft Azure, Amazon AWS and Siemens MindSphere



Simple and independent access to controllers and IoT devices

- Read and write access to data in controllers from leading manufacturers
- Use without modifying control program
- Easy integration of existing and new controllers into Industry 4.0 solutions
- Integration of non-OPC UA-capable components, such as Siemens S7 controllers, into OPC UA solutions
- Cost savings through further use of already existing OPC Classic components
- Gateway functionality for connecting controllers and components with integrated OPC UA Server to OPC Classic applications
- Direct connection of IoT devices (MQTT Publisher) without using an MQTT Broker

Gateway to Big Data and IoT Clouds Solutions

- Integration of automation devices via MQTT Publisher, MindConnect and REST Client functionality in IoT cloud applications, e.g. Siemens MindSphere, Amazon AWS or Microsoft Azure
- Easy integration of production data into NoSQL Big Data storage solutions such as MongoDB
- State-of-the-art security by SSL/TLS support, including certificates

Easy Configuration

- Modern, intuitive graphical user interface for fast OPC communication configuration
- Use of smart hands-on defaults, setup wizards and drag-and-drop support
- Time savings through effective and efficient configuration of distributed automation systems with many OPC UA and OPC Classic Servers

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Technical Data

Supported dataFEED OPC Suite Features	OPC UA Server and Client, OPC Classic Server and Client, OPC Tunnel, MQTT Publisher, MindSphere and REST Connector, Database Access (SQL/NoSQL), File Access, Data Exchange, Optimizer, Concentrator, Bridge, Filter, Local Items	
Supported Controllers	<ul style="list-style-type: none">Siemens SIMATIC S5, SIMATIC S7 (S7-200, S7-300, S7-400, S7-1200, S7-1500, including optimized blocks), LOGO! 8, SENTRON PAC Counter and Siemens-compatible controllers like VIPA controllersRockwell SLC-500, PLC-5, ControlLogix and CompactLogixMitsubishi Melsec-Q Series with Ethernet interfaceB&R controllers with Ethernet interfaceModbus TCP-compatible controllers (Wago, Beckhoff, Phoenix Contact, Schneider Electric, etc.)All controllers and devices with integrated OPC UA Server	
Supported IoT Devices	All devices with integrated MQTT Publisher (TCP, SSL, WS, WSS)	
Supported OPC Specifications	OPC Classic Data Access V1.0a, V2.05, V3.0, OPC Alarms & Events V1.10, OPC Unified Architecture V1.04	
OPC UA Security	<ul style="list-style-type: none">Data Access profileTCP transport protocol using OPC UA binary codingSecurity methods: AES256_SHA256, AES128_SHA256, Basic256Sha256, Basic 256, NoneAuthentication by user names and passwords including user certificate	
Protocols for IoT Cloud Link	MQTT Publisher V3.1.1, V3.1	TCP, SSL, WS, WSS QoS, Retain, Last Will and Testament Security: SSL/TLS including certificates
	MindConnect	HTTPS Method: POST Security: SSL including certificates, authentication via Shared Secret or RSA
	REST Client	TCP, HTTP, HTTPS Methods: PUT, POST Security: SSL and user authentication including certificates
Supported Databases	<ul style="list-style-type: none">NoSQL databases, e.g. MongoDB, CouchDBODBC-enabled databases, for example, Oracle, MySQL, Microsoft SQL ServerOther NoSQL- and ODBC-enabled databases upon inquiry	
Operation Mode	Application (OutProc Server), Windows Service	
Logging, Diagnostics	Detailed system logging, recording of connection information, OPC calls and notifications, OPC data, OPC tunnel telegrams, database access, ...	
Free Testing Tools	OPC Classic Demo Server, OPC Classic Demo Client, OPC UA .NET Demo Server, dataFEED OPC UA Client	
Supported Operating Systems	Windows 7, Windows 8, Windows 8.1, Windows Embedded 8.1 Industry, Windows 10, Windows 10 IoT Enterprise, Windows Server 2008 R2, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019	
Licensing	Runtime license per computer	
Demo Version	Full dataFEED OPC Suite Extended functionality, time limited to 72 hours	

Scope of Delivery

Software	dataFEED OPC Suite, download via Softing website
License key	By e-mail or on USB dongle
Documentation	Manual in PDF format, online help in English and German

Order Numbers

LRL-DY-134501	dataFEED OPC Suite Base licence, Version V5.x or previous, including all supported PLC protocols and protocols for IoT cloud access, OPC UA, simultaneous access to a total of up to 100 OPC UA Servers, OPC Servers and dataFEED OPC Tunnel servers, additional functionality like data logging and recipe management, Data Exchange, Optimizer, Concentrator and Bridge
HUA-DD-130001	USB Hardware Key for dataFEED OPC Suite, Version V4.01 and subsequent, replacing standard Software Key

Additional Products and Services

TSA-DY-140001	Training "Industry 4.0 Communication in Practice"
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