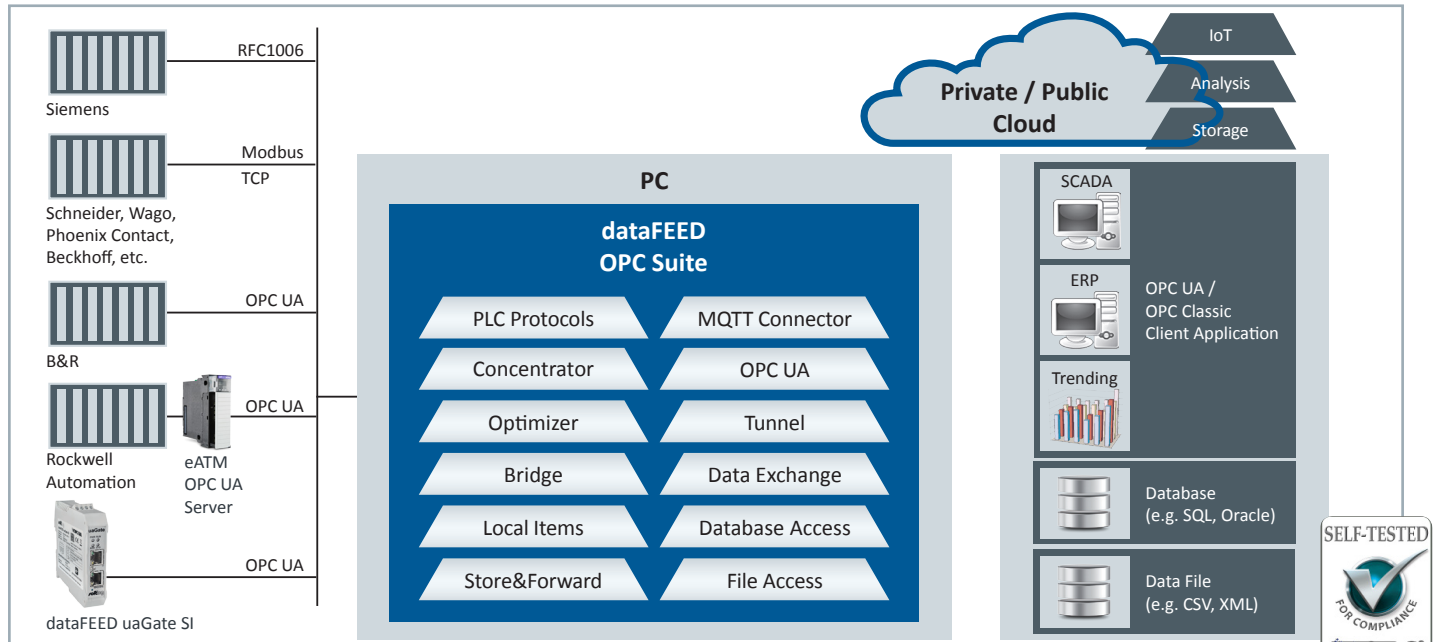


dataFEED OPC Suite

The All-In-One Solution for OPC Communication and IoT Cloud Connectivity

dataFEED OPC Suite offers a full package of components for OPC communication and cloud connectivity within a single product. It enables access to the controllers of leading manufacturers. Additional functionality eliminates DCOM problems and improves the communication between the PLCs, OPC Servers and OPC Clients, independent of the use of OPC UA (Unified Architecture) or OPC Classic. The MQTT Connector enables the dissemination of data to IoT (Internet of Things) clouds.



Easy and Independent Access to Controllers

- Read and write access to data in PLCs of leading manufacturers
- No changes to control program required
- Easy integration of legacy and new controllers into "Industrie 4.0"* solutions
- Integration of non-OPC UA-ready components like Siemens S5 controllers into OPC UA applications
- Cost savings through continued use of existing OPC Classic components
- Gateway functionality for connecting controllers and components with integrated OPC UA Server to OPC Classic applications

Gateway to IoT Clouds

- Integration of automation devices in IoT cloud applications using MQTT Publisher functionality, e.g. in IBM Bluemix Cloud
- State-of-the-art security by SSL/TLS support, including certificates

No Need for DCOM Configuration

- Easy industrial communication by avoiding DCOM and its complex security settings
- Time-saving configuration of OPC Classic communication across networks
- Simple configuration of PCs used in network
- Compliance with corporate computer and network security policies, e.g. firewall settings

Easy Configuration

- State-of-the-art, intuitive graphical user interface for rapid configuration of OPC communication
- Use of intelligent, practice-oriented defaults, setup wizards and drag-and-drop support
- Time savings through effective and efficient configuration of distributed automation systems comprising a large number of OPC UA and OPC Classic Servers

* "Industrie 4.0" is a German government-driven initiative for implementing an industrial "Internet of Things"

Technical Data

Supported dataFEED Features	OPC UA Server and Client, OPC Classic Server and Client, OPC Tunnel, MQTT Connector, Database Access, File Access, Data Exchange (in any direction between OPC UA and OPC Classic Servers or controllers), Filter, Optimizer, Concentrator, Bridge, Local Items (in any direction between OPC UA and OPC Classic Clients)	
Supported Controllers	Siemens S5, S7 (200,300,400,1200,1500) and Siemens-compatible controllers like VIPA controllers Rockwell SLC-500, PLC-5, MicroLogix, ControlLogix and CompactLogix Mitsubishi Melsec-Q Series with Ethernet interface card (Melsec-Q Series with on-board Ethernet interface in preparation) B&R controllers with Ethernet interface Modbus TCP-compatible controllers (Wago, Beckhoff, Phoenix, Schneider, etc.) All controllers and devices with integrated OPC UA Server	
Accessible Controller Data	Inputs, outputs, data blocks, markers, timers, counters	
Supported OPC Specifications	OPC Classic Data Access V1.0a, V2.05, V3.0, OPC Classic XML-DA V1.01, OPC Alarms & Events V1.10, OPC Unified Architecture V1.02	
Supported OPC UA Functionality	Data Access profile TCP transport protocol using OPC UA binary coding Security methods Basic256 Basic128Rsa15 None Authentication by user names and passwords including user certificate	
Supported OPC Data Types	VARIANT Data Types I1, UI1, I2, UI2, I4, UI4, R4, DATE, BSTR, BOOL and arrays (VT_Array) of these data types	
IoT Cloud Connectivity Protocols	MQTT Publisher	MQTT Publisher V3.1.1, V3.1 QoS, Retain, Last Will and Testament Security SSL/TLS including certificates
Supported Databases	ODBC enabled databases, for example, Oracle, MySQL, Microsoft SQL Server, IBM DB2, other ODBC-enabled databases upon inquiry	
OPC Certification	Test using OPC Foundation's Compliance Test Tool	
Operation Mode	Application (OutProc Server), Windows Service	
Logging, Diagnostics	Logging of OPC Calls and Notifications, OPC Data, OPC Tunnel frames, text file access, database access, configurable via integrated web server diagnostic interface	
Supported Operating Systems	Windows XP, Windows 7, Windows 8, Windows 8.1, Windows Embedded 8.1 Industry, Windows 10, Windows Server 2003, Windows Server 2008, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2	
Licensing	Runtime license per computer	
Demo Version	Full dataFEED OPC Suite, time limited to 72 hours	

Scope of Delivery

dataFEED OPC Suite	Software on CD-ROM
Documentation	Manual in PDF format and Online Help in English and German

Order Numbers

LRL-DY-134501	dataFEED OPC Suite, Version 4.01 and higher, including all supported PLC protocols and protocols for IoT cloud access, OPC UA support, access of any number of OPC Tunnel Clients, for simultaneous access to a total of up to 100 OPC UA Servers, OPC Servers and dataFEED OPC Tunnel Servers plus additional functionality like Database Access, File Access, Data Exchange, Optimizer, Concentrator and Bridge
HUA-DD-130001	USB Hardware Key for dataFEED OPC Suite, Version V4.01 and higher, replacing the standard Software Key

Additional Products and Services

100-1030-01	Training "OPC Server and Client in Practice"
GAA-DX-145111	dataFEED uaGate SI
GPL-CS-191000	echolink S7-compact
WRL-DD-031101	OPC UA .NET Client Development Toolkit, Single Seat Developer License, Binary Format



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