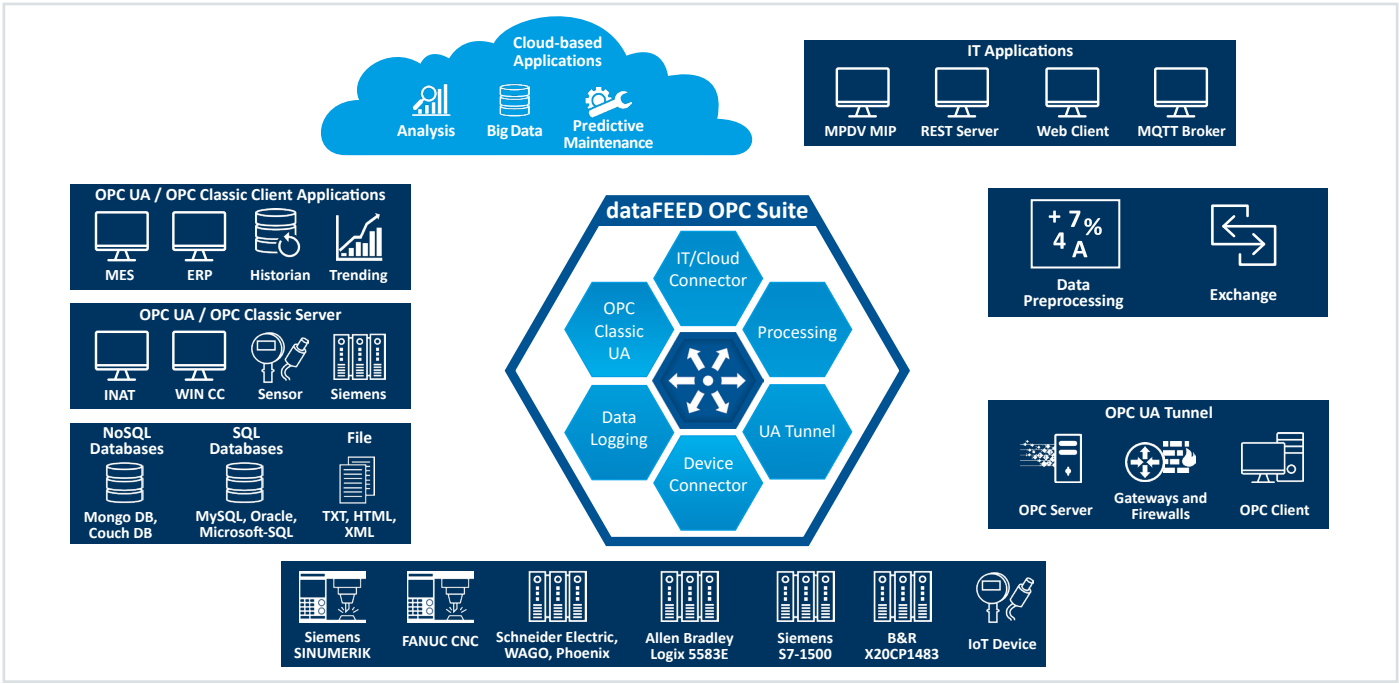
dataFEED OPC UA Tunnel

OPC UA Tunnel Functionality Supporting Simple and Secure OPC Classic Communication

- **Inter-Network OPC Classic Communication without DCOM**
- **Ensuring High Data Security for Factory-level Applications**
- **Easy to Use**



No need for complex DCOM settings

- Easy industrial communication by avoiding DCOM and its complex security settings on the OPC Server and OPC Client side
- Time-saving configuration of OPC Classic communication across networks
- Effective and efficient configuration of distributed automation systems with many OPC Classic servers

Compliance with specifications for computer, network and data security

- Ensuring high data security for factory-level applications by using the security mechanisms of the OPC UA standard, e.g. exchange of certificates
- Authentication via username and password including user certificates
- Data encryption using current encryption algorithms
- Enables secure OPC UA communication across firewalls and DMZs with OPC UA Reverse Connect

Secure cross-computer OPC Classic communication

- Intuitive wizard-based configuration of the OPC UA tunnel connections including certificate generation and certificate exchange
- Configuration of a secure OPC UA tunnel connection without OPC UA expertise using the practice-oriented default settings
- Automated creation of the OPC UA Tunnel Client configuration by importing the OPC UA Tunnel Server configuration
- Use of a common OPC namespace for access by OPC Classic clients

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Technical Data	
Supported dataFEED OPC Suite Features	OPC UA Tunnel, OPC Classic server and client, Filter, Optimizer, Concentrator, Bridge
Supported OPC Specifications	▪ OPC Classic Data Access V1.0a, V2.05, V3.0 ▪ OPC UA V1.05 for the OPC UA tunnel functionality
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
OPC Roles	▪ OPC Classic Server and OPC Classic Client ▪ OPC UA Tunnel Server and OPC UA Tunnel Client
Opereting Modes	Application (OutProc Server), Windows Service
Logging, Diagnostics	Detailed system logging, recording of connection information, OPC calls and notifications, OPC data, OPC UA tunnel and 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 11, Windows 11 IoT, Windows Server 2008 R2, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019, Windows Server 2022, Windows Server 2025
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, dowload 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-135001	**dataFEED OPC Suite Extended** License, Version V5.x, including: ▪ all supported PLC and CNC protocols ▪ protocols for IT Applications and IoT cloud access ▪ support of OPC UA including Store And Forward Server Mode ▪ simultaneous access to 50 OPC UA tunnel clients and 50 OPC UA tunnel servers and to a total of up to 100 OPC UA Servers, OPC Servers and OPC Tunnel Servers ▪ as well as further functionalities such as data preprocessing, data logging and recipe management, Data Exchange and Concentrator ▪ including all future extensions within the main version V5.x
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 “Industrial Communication for Industrie 4.0“

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