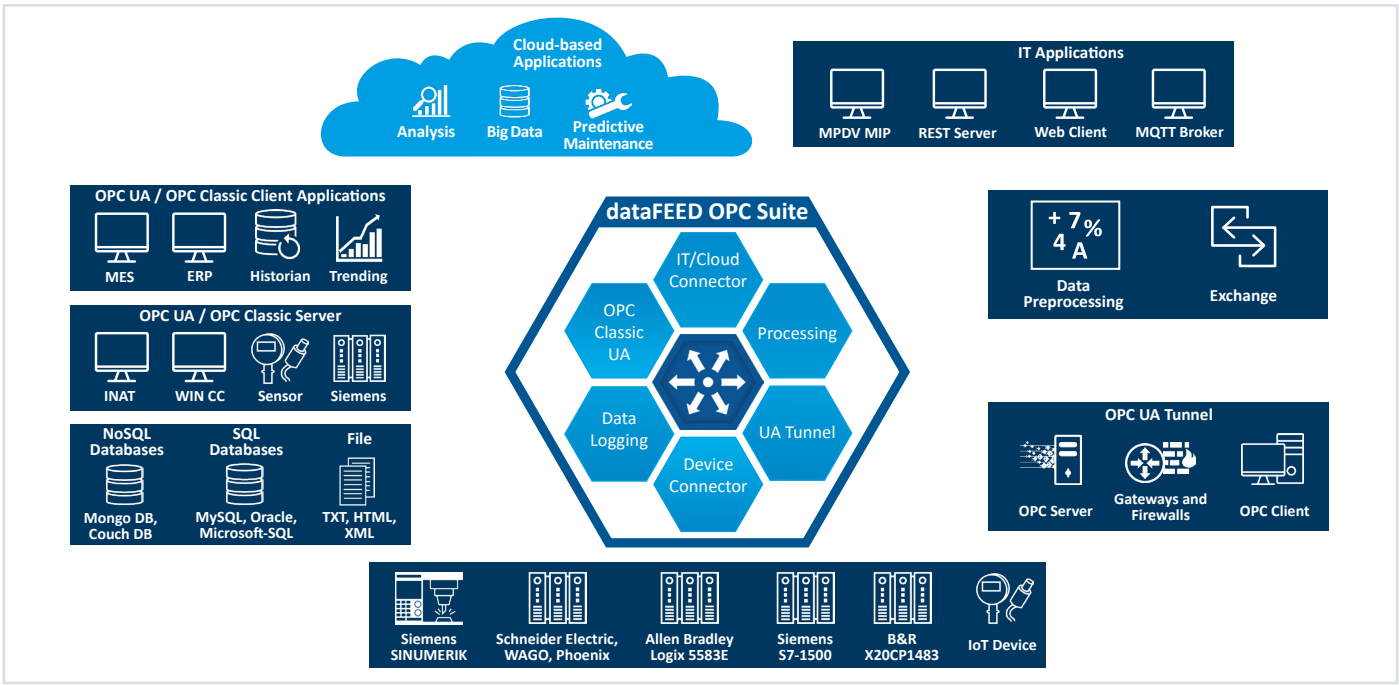
dataFEED OPC Data Handler

Large Choice of Functionalities for Extended Industrial Data Communication

- **Storage of Process Data in NoSQL Big Data StorageSolutions, e.g. InfluxDB**
- **Data Logging in File Supporting Various File Formats**
- **Recipe Manager Functionality for Writing Back Process Data from SQL Database to Controller**



Comprehensive Processing System

- Wizards for fast and easy setup of database connections
- Storage of production data in NoSQL Big Data Storage solutions, e.g. MongoDB, InfluxDB and CouchDB
- Buffering of data in case of database connection aborts
- Features for performing required proof and analysis tasks
- Suitability for use in process optimization

Data Exchange With No Additional Components Required

- Easy-to-use application for data exchange between controllers
- Connection of different automation worlds (e.g. between Siemens and Rockwell)
- Access through proprietary protocols
- Cost savings by eliminating need for expensive gateways and complex OPC Clients
- Unification of different communication structures into one OPC Namespace

Flexible Access to Data Files

- Support of different file formats
- Proof of process data
- Processing and analysis of stored data using standard software
- Verification and documentation of implemented functionality
- Process data logging in files
- Integration of process data from XML and CSV data files in Industry 4.0 solutions via OPC UA and MQTT

optimize! softing

dataFEED OPC Data Handler

Technical Data	
Supported dataFEED OPC Suite Features	Database access, file access, data exchange (between OPC servers or between controllers), OPC Classic Server and Classic Client, Filter, Optimizer, Concentrator, Bridge, local items (between OPC clients), optional: OPC UA support
Supported OPC Specifications	OPC Classic Data Access V1.0a, V2.05, V3.0, OPC Alarms & Events V1.10, optional: OPC Unified Architecture V1.04
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
Maximum Number of Items	10,000
Supported Databases	▪ NoSQL databases, e.g. MongoDB, InfluxDB, CouchDB ▪ ODBC-enabled databases, e.g. Oracle, MySQL, Microsoft SQL Server ▪ Other NoSQL- and ODBC-enabled databases upon inquiry
Supported Database Functionality (NoSQL Databases)	Write access TCP, HTTP, HTTPS Methods: PUT, POST Security: SSL and user authentication
Supported Database Functionality (SQL Databases)	Read and write access (Select, Insert) Tables, views, functions, stored procedures, SQL instructions Extensive trigger options
Supported Data File Functions	Read and write access to XML, TXT and CSV files
Operation Mode	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“

Your local Softing contact:

https://industrial.softing.com

optimize! softing

Technical changes reserved © Softing Industrial Automation GmbH, dataFEEDOpcDataHandler_D_EN_250203_460, Février 2025