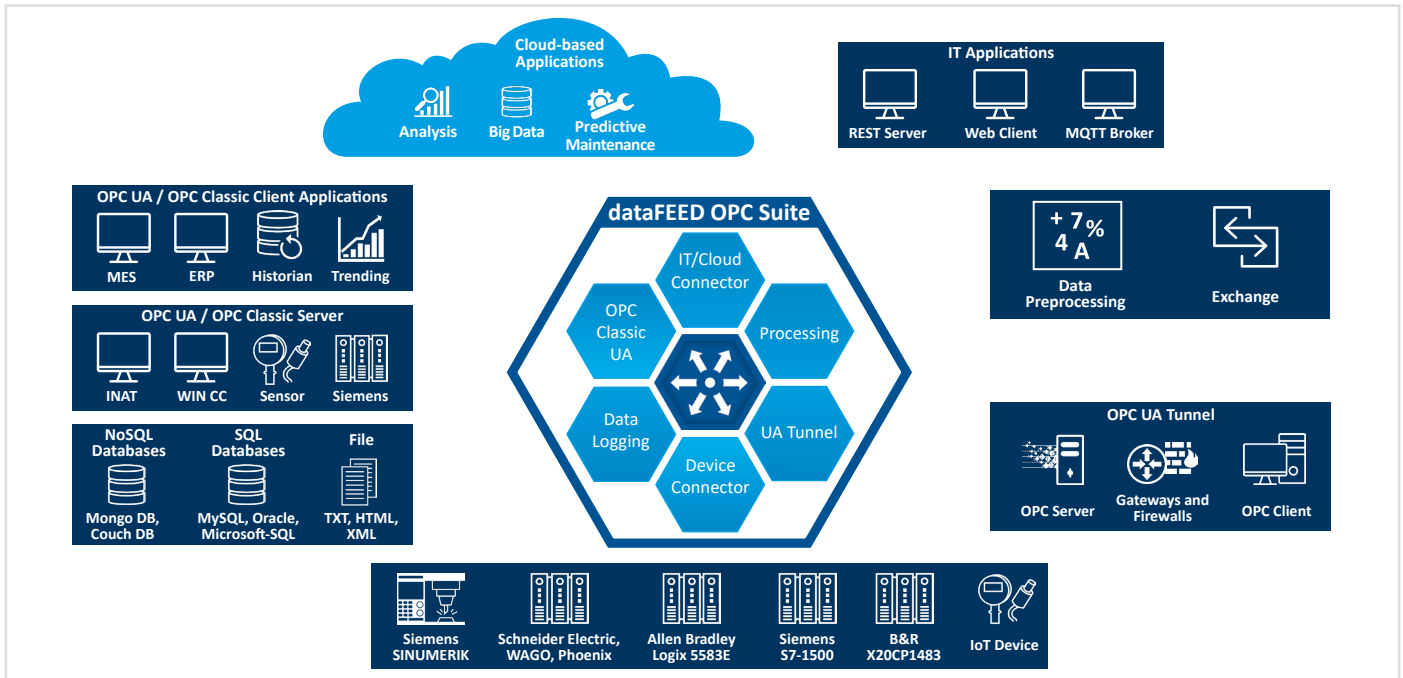


# dataFEED OPC Server CNC

Simple data access with high performance for CNC controls

- Reading out Siemens SINUMERIK control data for status monitoring
- Easy to use
- Integration in Industrie 4.0, MindSphere Cloud and Big Data applications (optional)



## Access to data from the PLC, NC and drive section of a Siemens SINUMERIK 840D Solution Line

- Data integration in higher-ranking management software, such as ERP, MES or process visualization systems
- Access to NC section with axis, tool, program and drive data as well as specific alarms
- Use of the data for analysis, status monitoring, anticipatory maintenance or recording purposes
- No additional Siemens licenses required
- Commissioning with out NC or control programming possible

## Simple and quick OPC Server configuration

- User-friendly graphic configuration interface
- Configuration assistant with practice-oriented presets
- Pre-defined namespace, adjustable for specific machine data records
- Automatic tool recognition and list of all available magazines and tools

## Gateway to IT applications and IoT Clouds (optional)

- Enhancement with dataFEED OPC Organizer UA for the integration of non-OPC UA capable components, such as Siemens SINUMERIK CNC control systems in OPC UA applications
- Enhancement with dataFEED MQTT Connector for the integration of automation units via MQTT Publisher/Subscriber functionality in IoT Cloud applications, such as Microsoft Azure Cloud
- State-of-the-art security thanks to the authentication and encryption including support of certificates

# dataFEED OPC Server CNC

## Technical Data

Supported dataFEED OPC Suite functionalities	OPC Server, Filter, Optimizer, Concentrator, Bridge, optional: OPC UA, MQTT, REST support
Supported CNC control systems	Siemens SINUMERIK 840D Solution Line, Software Version 2.7 and higher
Supported protocols	SIMATIC S7 (RFC1006), SINUMERIK (RFC1006)
Supported NC areas	Magazine data, tool and tool monitoring data, axis data, drive data, R-parameters and alarms
Supported OPC specifications	OPC Classic Data Access V1.0a, V2.05, V3.0, OPC Unified Architecture V1.04 (optional)
Supported OPC data types	VARIANT data types I1, UI1, I2, UI2, I4, UI4, R4, DATE, BSTR, BOOL as well as fields (VT_Array) of these data types
Operating types	Application (OutProc Server), Windows service)
Logging, diagnosis	Detailed system logging, recording of connection information, OPC accesses and notifications, OPC data, OPC UA Tunnel and OPC Tunnel telegrams, database accesses, ...
Free of charge 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
Licensing	Runtime license per computer
Demo version	Full functional scope of dataFEED OPC Suite Extended, time-limited to 72 hours

## Scope of Delivery

Software	dataFEED OPC Suite download via Softing homepage
License key	By email or USB dongle
Documentation	Manual as PDF and Online Help in German and English

## Order Numbers

LRL-DY-135001	<b>dataFEED OPC Suite Extended</b> License, Version V5.x, including: <ul style="list-style-type: none"><li>▪ all supported PLC and CNC protocols</li><li>▪ protocols for IT Applications and IoT cloud access</li><li>▪ support of OPC UA including Store And Forward Server Mode</li><li>▪ 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</li><li>▪ as well as further functionalities such as data preprocessing, data logging and recipe management, Data Exchange and Concentrator</li><li>▪ including all future extensions within the main version V5.x</li></ul>
HUA-DD-130001	<b>USB Hardware Key</b> 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"
GPA-CS-041000	NETLink S7-Compact

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