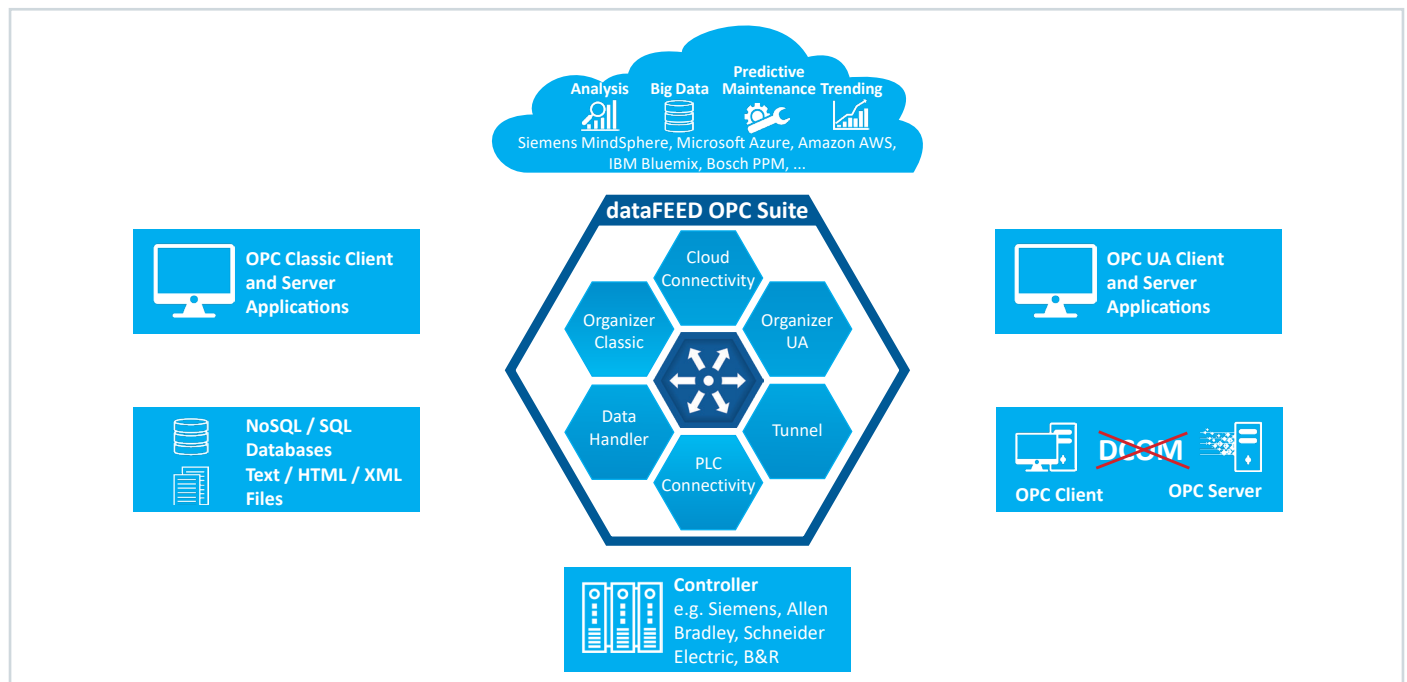


# dataFEED MindSphere Connector

Secure Transmission of Production Data to Siemens MindSphere Cloud

- Gateway for Integration of Production Data in Siemens MindSphere Applications
- Integration of OPC Applications into Modern „Industrie 4.0“\* IoT Cloud Solutions
- State-of-the-Art Security Through Support of Certificates



## Data Integration in MindSphere Cloud Solutions

- Integration of controllers from leading manufacturers (Siemens, B&R, Rockwell Automation, Schneider Electric, Wago, Mitsubishi)
- Cost savings by using existing OPC Classic components
- Use of modules without cloud interface (e.g. SIMATIC S5 PLCs) in MindSphere cloud applications
- Intermediate storage of data in case of disconnection

## Simple and Fast Configuration

- Configuration wizard with practice-oriented presets
- Intuitive graphical user interface with drag & drop support
- Automatic data type conversion between PLC, OPC UA and MindConnect
- No modification to controller program required
- Extensive flexible trigger options

## State-of-the-Art Security

- Guarantee of high data security for production applications
- Authentication via certificates
- SSL encryption support

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

# dataFEED MindSphere Connector

## Technical Data

Supported dataFEED Features	MindSphere Connector, OPC UA Server and Client, OPC Classic Server and Client, OPC Tunnel, MQTT Connector, REST Connector, Database Access (SQL/NoSQL), 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)	
Protocols for IoT Cloud Link	MindConnect	Transport protocol: HTTPS Security: SSL including certificates, authentication via Shared Secret or RSA Methods: POST
Extended Functionality	Web Proxy support Store&Forward	
Maximum Number of MindSphere Conenctions	20	
Maximum Number of Items	10.000	
Supported OPC Specifications	OPC Classic Data Access V1.0a, V2.05, V3.0, OPC Classic XML-DA V1.01, OPC Unified Architecture V1.02	
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	
Operation Mode	Application (OutProc Server), Windows Service	
Logging, Diagnostics	Logging of OPC Calls and Notifications, OPC Data, MQTT messages, configurable via integrated web server diagnostic interface	
Test 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 2003, Windows Server 2008, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019	
Licensing	Runtime license per computer	
Demo Version	Full dataFEED OPC Suite functionality, time limited to 72 hours	

## Scope of Delivery

Software	dataFEED OPC Suite
Dokumentation	Manual, 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 "Industrial Communication for Industrie 4.0 - OPC UA, MQTT, REST"
GAA-DX-145111	uaGate SI
GAA-YE-145133	uaGate MB

Your local Softing contact:

<https://data-intelligence.softing.com>

optimize!  
**softing**