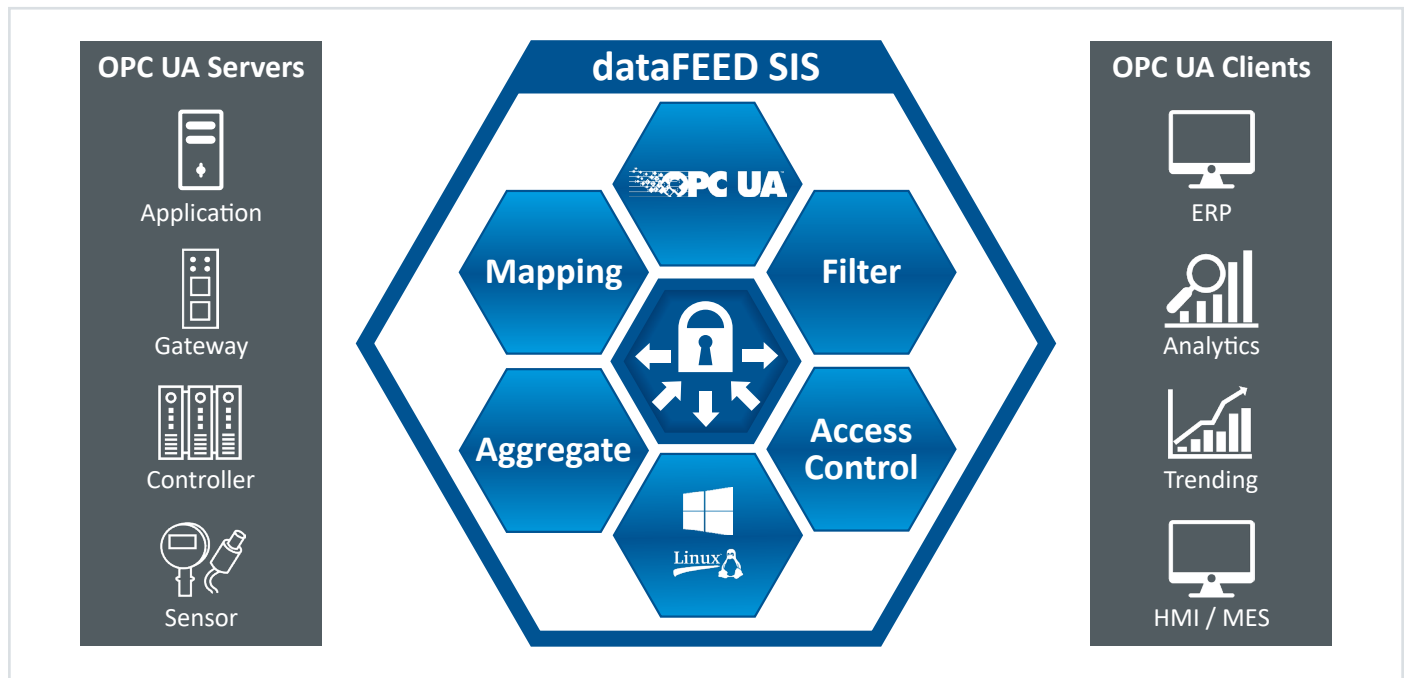


Secure Integration Server

Secure and Flexible OPC UA-based IT / OT Integration Solution

- **Maximum Security Through Vertical IT/OT Integration on Standard Basis**
- **Data Aggregation and Interface Abstraction for Efficient and Flexible IoT Solutions**
- **Fully Integrated with Edge Architectures as well as with Cloud Applications**



Secure Communication

- Support of all safety functions of OPC UA standard
- Provide different data for different users and applications
- Support for multiple OPC UA Endpoints (client or server), each with its own certificates
- Filtered access, depending on IP address (White List / Black List for OPC UA Endpoints)
- Detection of DoS (Denial of Service) attacks on OPC UA authentication

Data Aggregation

- Aggregation of data from multiple sources in a server (aggregation of OPC UA Namespace)
- Application access to aggregation servers, not too many individual data sources
- Extensive and flexible OPC UA Service-based address space filtering, down to OPC UA Item level
- Reduced configuration effort (Configuration not required individually for each OPC UA data source and each OPC UA Client)

Interface Abstraction

- Common, stable OT interface for different IT applications
- Adaptations in automation network transparent for IT applications
- Support for standardized address spaces (companion specifications)
- Decoupling of investment decisions in IT and OT environment

Solutions for Edge Architectures

- Edge solution with features and benefits identical to those resulting from using central cloud platforms
- Running local clients (e.g. for edge analytics) in parallel with cloud-based applications
- Start with small IoT solution on cloud basis, later adaptation and expansion over time possible

Secure Integration Server

Technical Data

Key Functionality	OPC UA Aggregation Server OPC UA Namespace aggregation, 50 virtual namespaces maximum OPC UA Server with up to 25 OPC UA Server endpoints, 50 users per endpoint, separate application certificate per endpoint OPC UA Client with up to 100 connections to OPC UA Servers, separate application certificate per OPC UA connection OPC UA address space mapping (support of Companion Specifications) Up to 500,000 data changes per second
Supported OPC Specifications	OPC Unified Architecture V1.03
OPC Roles	OPC UA Client (all profiles from nano to standard), OPC UA Server
OPC UA Profiles	Data Access, Complex Data, Methods (including file transfer)
OPC UA Transport	TCP Transport, UA Binary Encoding, UA Secure Conversation; HTTPS Transport, UA Binary Encoding
OPC UA Security	Security methods Aes256Sha256-RsaPss, Aes128SHA256-RsaOaep, Basic256Sha256, Basic256, Basic128Rsa15, None Authentication Anonymous, username and password, certificate
OPC UA Firewall	OPC UA Service-based address space filtering, down to OPC UA Item level Limitation of OPC UA Client connections Restriction of OPC UA services IP access filter (White List/Black List) Detection of denial of service (DoS) attacks on OPC UA authentication
OPC Certification	Test based on compliance test tools of OPC Foundation
Operation Mode	Windows service
Logging, Diagnostics	E-Mail Alert; Detailed system and test logging Test tools: OPC UA .NET Demo Server, OPC UA Demo Client
Supported Operating Systems	64 Bit operating systems only; Windows 7, Windows 8.1, Windows 8.1 Industry, Windows 10, Windows 10 IoT, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019; Linux on demand
Licensing	Runtime license per computer

Scope of Delivery

Software	License key for dataFEED Secure Integration Server , link for software download
Documentation	Online help in English

Order Numbers

Single Seat License

LRL-DY-140001	dataFEED Secure Integration Server , single seat license for up to 10 OPC UA connections, including maintenance and support contract for 1 year
LMA-DY-140001	dataFEED Secure Integration Server maintenance and support contract for 1 year, for up to 10 OPC UA connections
LRL-DY-140004	dataFEED Secure Integration Server , single seat license for up to 100 OPC UA connections, including maintenance and support contract for 1 year
LMA-DY-140004	dataFEED Secure Integration Server maintenance and support contract for 1 year, for up to 100 OPC UA connections
LRL-DY-140010	dataFEED Secure Integration Server , single seat license for 5 Loadable Address Spaces (Companion Specifications)
Use License	
LRL-DY-141001	dataFEED Secure Integration Server , use license for up to 10 OPC UA connections, including maintenance and support contract for 1 year
LRL-DY-141004	dataFEED Secure Integration Server , use license for up to 100 OPC UA connections, including maintenance and support contract for 1 year
LRL-DY-141010	dataFEED Secure Integration Server , use license for 5 Loadable OPC UA Address Spaces (Companion Specifications) including maintenance and support contract for 1 year

Additional Products and Services

LRL-DY-135001	dataFEED OPC Suite Extended , secure and reliable All-in-One solution for OPC communication and IoT cloud connectivity
GAA-DX-145111	uaGate SI , gateway for OPC UA and MQTT communication upgrade of Siemens retrofit plants
GAA-YE-145133	uaGate MB , gateway for OPC UA and MQTT communication access to Modbus TCP PLCs
GAA-YX-145144	uaGate 840D , OPC UA server gateway for Siemens SINUMERIK 840D sl/pl controllers
TSA-DY-140001	Industrial Communication for Industrie 4.0 , two-day training with a detailed introduction to Industrie 4.0 applications in practice

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