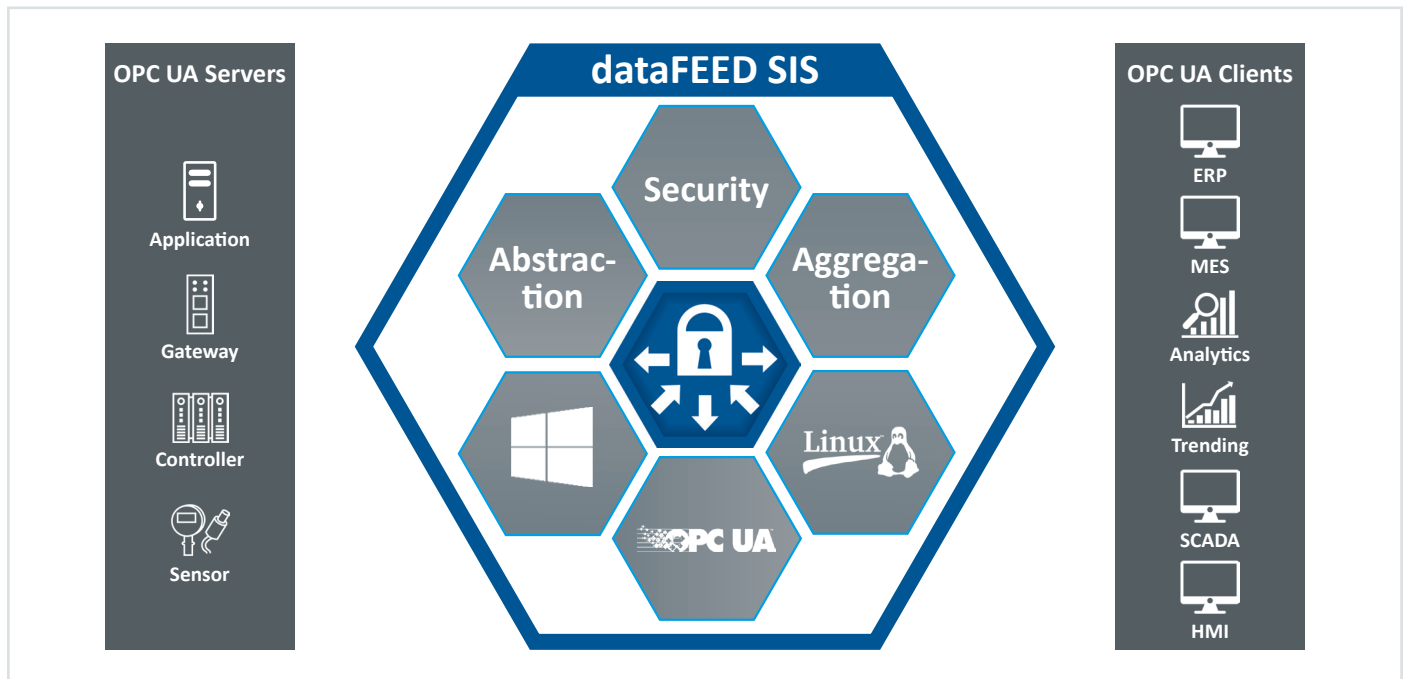


# dataFEED Secure Integration Server

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

## 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

## Data Aggregation

- Aggregation of data from multiple sources in a server (aggregation of OPC UA Namespace)
- Application access to aggregation servers, not to 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
- Easy integration of IT applications with standard OPC UA Clients in different OT environments
- Decoupling of investment decisions in IT and OT environment

# dataFEED 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 Up to 500,000 data changes per second	
Supported OPC Specifications	OPC Unified Architecture V1.03	
OPC Roles	OPC UA Client, OPC UA Server	
OPC UA Profiles	Data Access, Complex Data, Methods	
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, user name 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	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 10, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016 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, version 1.01, 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, version 1.01, 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

### Use License

LRL-DY-141001	dataFEED Secure Integration Server, version 1.01, use license for up to 10 OPC UA connections, including maintenance and support contract for 1 year
LRL-DY-141004	dataFEED Secure Integration Server, version 1.01, use license for up to 100 OPC UA connections, including maintenance and support contract for 1 year

## Additional Products and Services

LRL-DY-134501	dataFEED OPC Suite
GAA-DX-145111	uaGate SI
GAA-YE-145133	uaGate MB
100-1030-01	Training "OPC Server and Client in Practice"

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