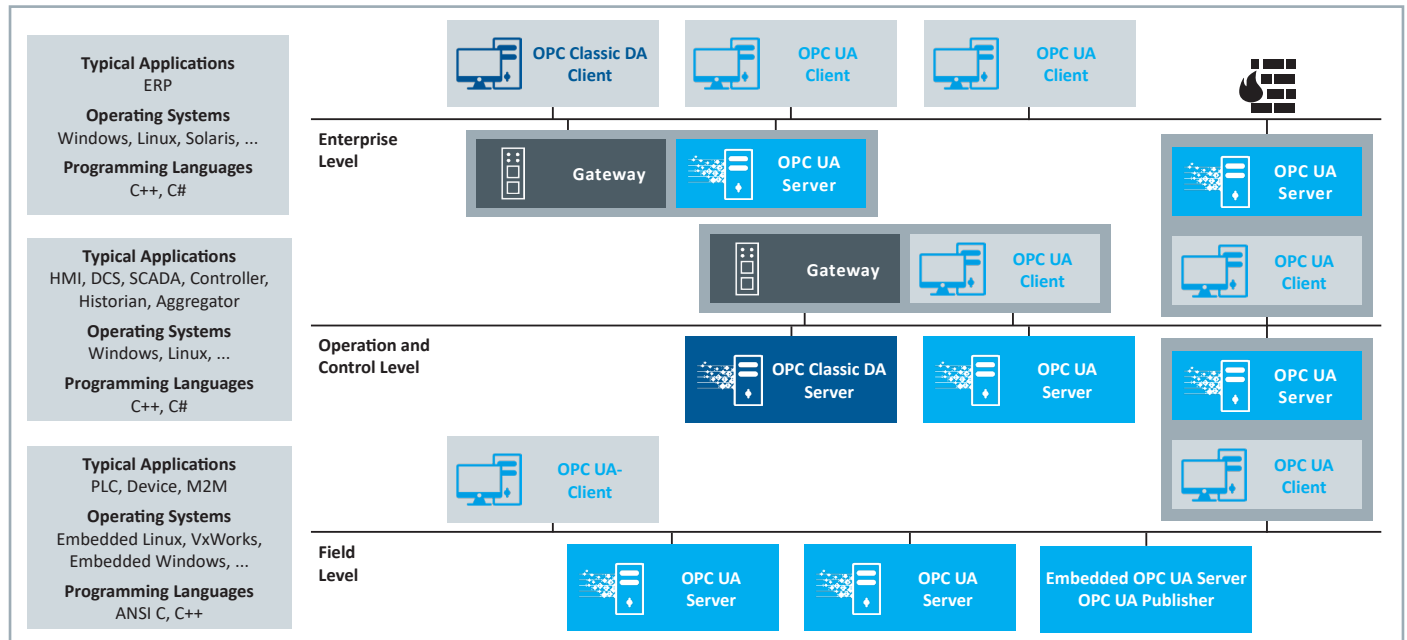# dataFEED OPC UA .NET SDKs

Fast Time-to-Market for OPC UA Clients and Servers

- **OPC UA Communication Integration in Windows-based Automation Environments**

- **Comprehensive Functionality Provided by Libraries**

- **Optimal Total Costs of Ownership Through All-In-One License Model**

Complete Solution Addressing All Customer Requirements

- Comprehensive set of building blocks offering encapsulation and easy-to-use functionality required for implementing OPC UA Clients and Servers for Windows environment

- Modular design to scale OPC UA functionality according to actual requirements

- Wide range of available functionality, including Extended Security, Data Access, Complex Data, Events, Alarms & Conditions and Historical Access

- Integrated security concepts allowing safe remote data transfer actively addressing modern security threats

- Applicable for time-critical control tasks as well as for complex automation projects

- OPC UA Servers and Clients capable to move data and information between factory floor and enterprise level

Comprehensive Scope of Delivery for Easy and Fast Development

- Optimized Application Programming Interface (API) and easy to understand documentation

- Complimentary how-to example applications, step by step tutorials, complex test and simulation clients and servers for a lean getting started with OPC UA development

Investment Security Through Innovative License Model

- Implementation according latest OPC UA specifications

- Free migration to upcoming dataFEED OPC UA SDK versions thanks to SDK software and 3 years' right to updates to future versions

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Technical Data

OPC Specifications	OPC Unified Architecture V1.03
OPC Roles	OPC UA Client, OPC UA Server
OPC UA Client/Server Profiles	Core Characteristics, Data Access, Complex Data, Base Eventing, Methods, Audit, Node Management, Historical Access, Alarms and Conditions, Redundancy
OPC UA Transport	OPC UA TCP transport; UA Binary Encoding SOAP/HTTP transport: UA Binary and XML encoding HTTPS transport; UA Binary and XML encoding
OPC UA Security	Security policy: Basic256Sha256/Basic256/Basic128Rsa15/None Authentication: anonymous/user name and password/user certificate Full compliance to OPC UA 1.03 specification
Programming Interface	C#
Development Environment	Microsoft Visual Studio 2010, Microsoft Visual Studio 2012, Microsoft Visual Studio 2013, Microsoft Visual Studio 2015, Microsoft Visual Studio 2017, .NET Framework 4.0, .NET Framework 4.5, .NET Framework 4.6, .NET Framework 4.7
Development/Target Operating Systems*	Windows 7 (32 Bit und 64 Bit), Windows 10 (32 Bit und 64 Bit), Windows Server 2012, Windows Server 2016
Compliance/Certification	Regularly tested at OPC Foundation interoperability workshops, test with OPC Foundation compliance test tool
Support Tools	Comprehensive programming examples and tutorials, complex test and simulation OPC UA Server and Client applications, generic technology test and demonstration Client and Server tools
Trial Version	Trial dataFEED OPC SDK assemblies contain complete functionality. Limitation to 90 minute runtime period applies. Trial version upgrades to unlimited functionality simply by using binary license activation key
Licensing	Trial and evaluation license, single seat developer license (binary and source code version) Applications integrating licensed dataFEED OPC SDK libraries can be deployed in unlimited number of copies.

* Please contact the Softing sales representative for requests of different compilers or operating system variants.

Scope of Delivery

Software	Installation package on Softing dataFEED OPC SDK DVD-ROM, installation package available for download
Support	Dedicated support team
Documentation	Online Help in English in CHM format as part of installation package

Order Numbers

Please contact Softing (Email: info.idi@softing.com) or your local Softing contact regarding a quotation and the order number.

Additional Products and Services

OPC-ENTW-TAG	OPC Engineering / Consulting / Compliance Assistance
TRA-OPC-UA-DEV	OPC UA .NET Developer Training
LRL-DY-134501	dataFEED OPC Suite, Version 4.01 and higher

Your local Softing contact:

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

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