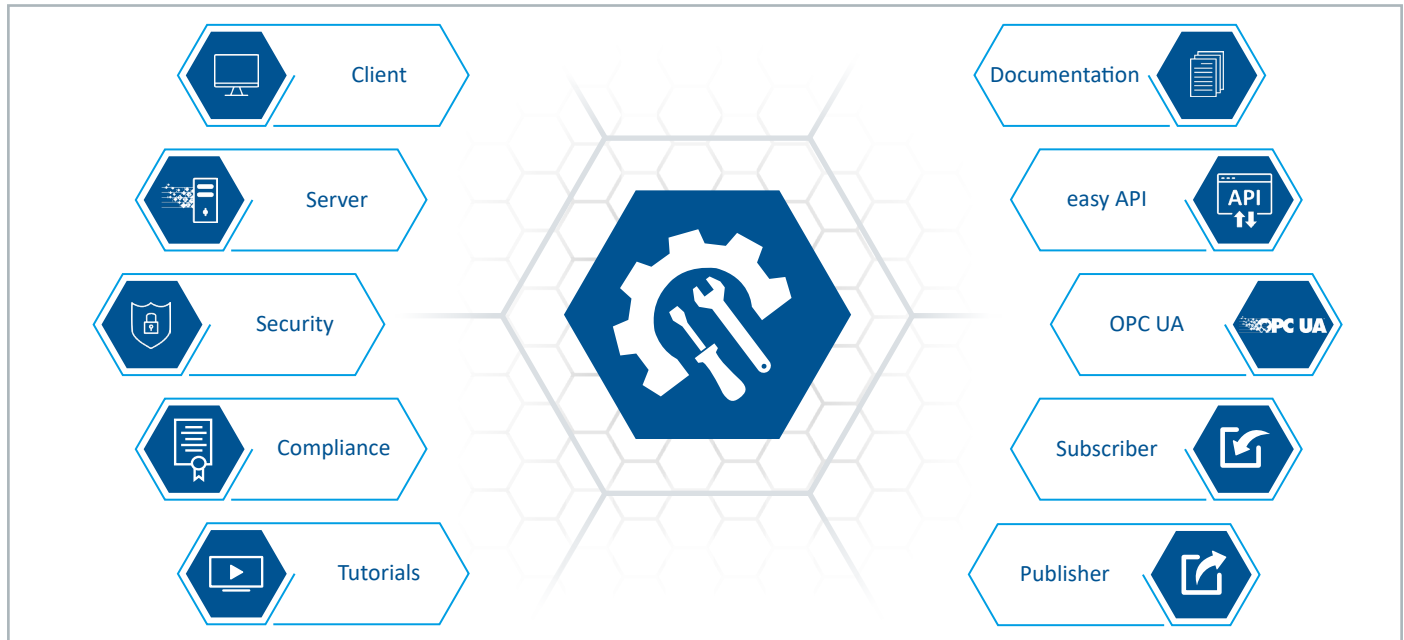**dataFEED®**

OPC UA .NET Standard SDK

Fast Time-to-Market for OPC UA Clients, OPC UA Servers,
OPC UA Publishers and OPC UA Subscribers

- **OPC UA Communication Integration in Automation Environments**
- **Comprehensive Functionality Provided by Libraries**
- **Optimal Total Costs of Ownership Through All-In-One License Model**

CERTIFIED
FOR COMPLIANCE
OPC FOUNDATION

Client
Server
Security
Compliance
Tutorials

Documentation
easy API
OPC UA
Subscriber
Publisher

Complete Solution Addressing All Customer Requirements

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

- 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, Historical Access, User Role Management and Reverse Connect

- 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

- 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

- Complementary 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 OPC UA SDK versions and 3 years' right to updates to future versions

- Technology proven by use in Softing's OPC Server and middleware products

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OPC UA .NET Standard SDK

Technical Data

OPC Specifications	OPC Unified Architecture V1.04
OPC Roles	OPC UA Client, OPC UA Server
OPC UA Client Profiles	Core Characteristics, Data Access, Complex Data (OPC UA Client API), Base Events, Methods, Audit, Historical Access, Alarms and Conditions, Query, Publisher, Subscriber, Reverse Connect, GDS Pull Management
OPC UA Server Profiles	Core Characteristics, Data Access, Complex Data, Base Events, Methods, Audit, Historical Access, Alarms and Conditions, User Role Permissions, Publisher, Subscriber, Reverse Connect, GDS Push Management
OPC UA Transport	OPC UA TCP transport: UA Binary Encoding HTTPS transport: UA Binary Encoding UADP Publisher, UADP Subscriber MQTT Publisher, MQTT Subscriber
OPC UA Security	Security policy: Aes256Sha256RsaPss, Aes128Sha256RsaOaep, Basic256Sha256/Basic256/Basic128Rsa15/None Authentication: anonymous/username and password/user certificate Full compliance to OPC UA 1.04 specification
Programming Interface*	C#
Development Environment*	*Microsoft Visual Studio 2017, Microsoft Visual Studio 2019, Microsoft Visual Studio 2022, .NET Framework 4.6, .NET Standard 2.0, .NET Standard 2.1
Development Operating Systems*	Windows 7 SP1 (32/64 Bit), Windows 10 (32/64 Bit), Windows 11 (32/64 Bit), Windows Server 2012 SP1, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019, Windows Server 2022
Target Operating Systems*	Windows 7 SP1 (32/64 Bit), Windows 10 (32/64 Bit), Windows 11 (32/64 Bit), Windows Server 2012, Windows Server 2016, Windows Server 2019, Windows Server 2022, all Linux distributions (Ubuntu 20.04, Debian 10), Android
Compliance/Certification	Server certification by the OPC Foundation, regular tests as part of the OPC Foundation's interoperability workshops
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 OPC UA 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 OPC UA 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 available for download on Softing webpage nuget package available on nuget.org and sample code available on gitHub
Support	Dedicated support team
Documentation	Online Help in English in CHM format as part of installation package

Order Numbers

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

Additional Products and Services

LRL-DY-135001	dataFEED OPC Suite Extended

Your local Softing contact:

https://industrial.softing.com

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