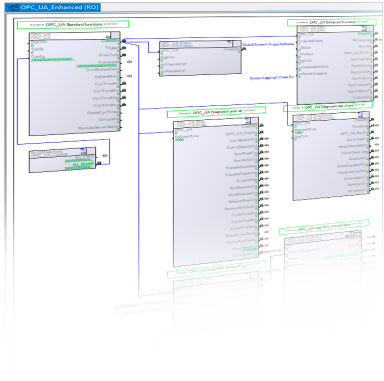


OPC-UA Package

The OPC-UA Package provides the option to integrate a SIGMATEK system into OPC-UA communication. It provides standard OPC-UA server and client functions, with which a network can be constructed. Numerous functions such as reading and writing values, file transfer, calling methods etc. are provided.

The package is used as a basis for implementing protocol norms such as Euromap 77, Euromap 82, VDMA Companion Specification for Robotics and others.



FEATURES

- OPC-UA server & client function
- Address space structure via import of standard OPC-UA model XMLs
- Preparation of data in complex server structures
- Access to data from other OPC-UA servers
- Calling methods from remote OPC-UA servers
- Creating subscriptions
- Secure data transmission via SSL encryption
- Sending of events
- Processing method calls from external clients

SOFTWARE VERSIONS

Design environment	LASAL CLASS 2, LASAL SCREEN
Operating system	RTOS, Salamander

SYSTEM REQUIREMENTS

Performance Index



Visualization Memory Requirements: (varies depending on configuration, see documentation for details)

Code Size [MB]	Basis: 3.27 / Server + 2.16 / Client + 0.37
User Heap [MB]	Basis: 2.8 / Server + 0.92 / Client + 0
SRAM [bytes]	72
Per data point [bytes]	1250

COMPONENTS

Library OPC-UA_Classes

- Contains all classes of the package for importing or updating existing applications

Add-On

- OPC-UA Enhanced

Application Demo

- Demo application of a OPC-UA_Clients – Server connection

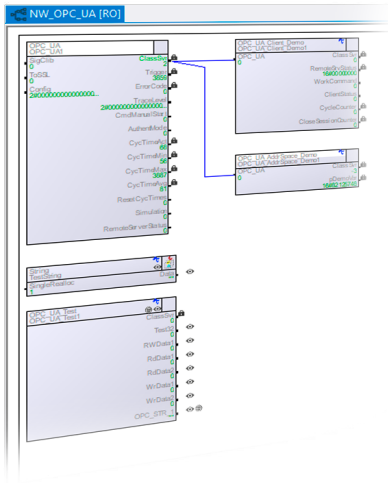
Documentation

- All class documentation, as well as user and program manual where required

External Software

- UA_EXPERT and UA_MODELER for Windows

OPC-UA Enhanced



The OPC-UA Enhanced Add-On provides the option to integrate a SIGMATEK system into OPC-UA communication. The Add-On provides standard OPC-UA server and client functions, with which a network can be constructed. Numerous functions such as reading and writing values, file transfer etc. are provided. In addition, there are expanded functions such as alarm, recipe transfer and activation. A visualization for diagnostics and configuration is also available.

This Add-On contains the program elements for the LASAL CLASS project, as well as the LASAL SCREEN projects for multiple resolutions.

FEATURES

- Standard OPC-UA server & client function
- Address space structure via import of standard OPC-UA model XMLs
- Expanded functions such as alarm integration
- OPC-UA user management for secure client access
- Diagnostic functions

SOFTWARE VERSIONS

Design environment	LASAL CLASS 2, LASAL SCREEN, LASAL Machine Manager
Operating system	RTOS, Salamander

SYSTEM REQUIREMENTS

Performance Index



Visualization Memory Requirements:
(Memory requirements vary depending on configuration, see documentation for details)

Code Size [KB]	3700
Data Size [KB]	6894
GlobSize[KB]	881
User Heap [KB]	6014
LSE Project Size [KB]	61
SRAM [bytes]	0

AVAILABLE RESOLUTIONS [px]

800x480, 800x600, 800x1280, 1024x768, 1280x800, 1366x768

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<Config Version="1.0">
  <Release>
    <ReleasePath Path="C:\TOOLDATA\ANDY"/>
  </Release>
  <Server>
    <Endpoint Id="Station-2" Url="opc.tcp://10.10.16.99:4842" Endpoint="opc.tcp://10.10.16.99:4842" Interval="1000" />
  </Server>
  <DataSet>
    <DataElement Hostname="OPC-UA_Test1_RdData1" Type="DINT" Writeprotected="true" Physic="" Unit="" Folder="" NamespaceIndex="2" IdentifierType="Numeric" Identifier="20002" Endpoint="Station-2" />
    <DataElement Hostname="OPC-UA_Test1\OPC_STR_INTERM_1_Data" Type="STRING" Writeprotected="false" Physic="" Unit="" Folder="" NamespaceIndex="2" IdentifierType="Numeric" Identifier="20001" Endpoint="Station-2" />
    <DataElement Hostname="OPC-UA_Test1_WrData1" Type="DINT" Writeprotected="false" Physic="" Unit="" Folder="" NamespaceIndex="2" IdentifierType="Numeric" Identifier="20004" Endpoint="Station-2" />
  </DataSet>
</Config>
```