

# 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\ADP1" />
  </Release>
  <Server>
    <Endpoint Id="Station-2" Uri="opc_ua://10.10.16.99:8881" Endpoint="opc_ua://10.10.16.99:8881" NameSpaceIndex="1" />
  </Server>
  <DataSet>
    <DataElement Hostname="OPC-UA_Test1_RdData" Type="DINT" Writeprotected="true" Binary="false" NameSpaceIndex="1" IdentifierType="Numeric" Identifier="10001" Endpoint="Station-2" />
    <DataElement Hostname="OPC-UA_Test1OPC_STW_INTERM_1_Data" Type="STRING" Writeprotected="false" Binary="false" NameSpaceIndex="1" IdentifierType="Numeric" Identifier="10001" Endpoint="Station-2" />
    <DataElement Hostname="OPC-UA_Test1_WdData" Type="DINT" Writeprotected="false" Binary="false" NameSpaceIndex="1" IdentifierType="Numeric" Identifier="10001" Endpoint="Station-2" />
  </DataSet>
</Config>
```