



Notes for using PLCcom SDK V.9 with Logo! controllers

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About this document

This document is intended to provide you with information about the functionalities provided to connect to a Logo! OBA07 or OBA08 controller. This is not a complete documentation, but a guide to help you getting started.

Further information can be found in

- Code examples within the supplied software package
- Code examples and FAQ on our website <http://www.plccom.net/code-examples/plccom/s7.html>
- The online help (index.html) within the software package

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Note:

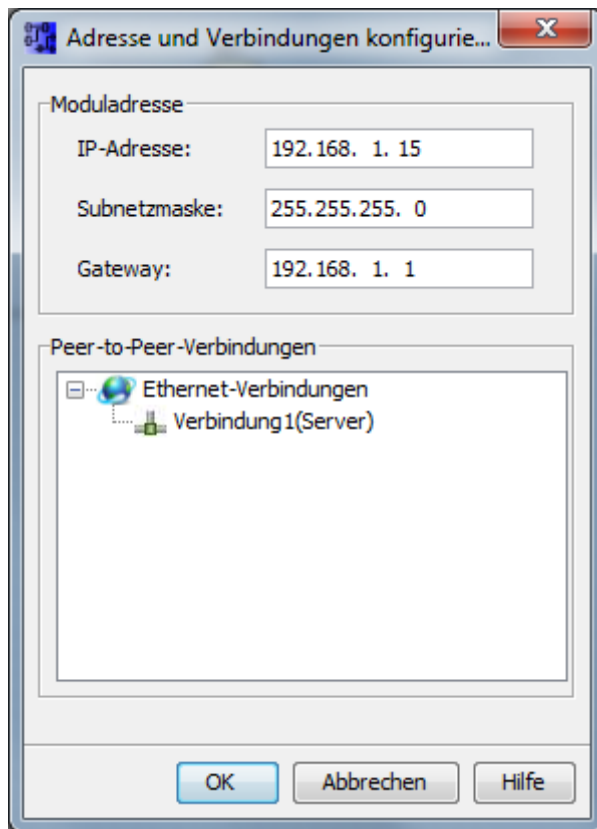
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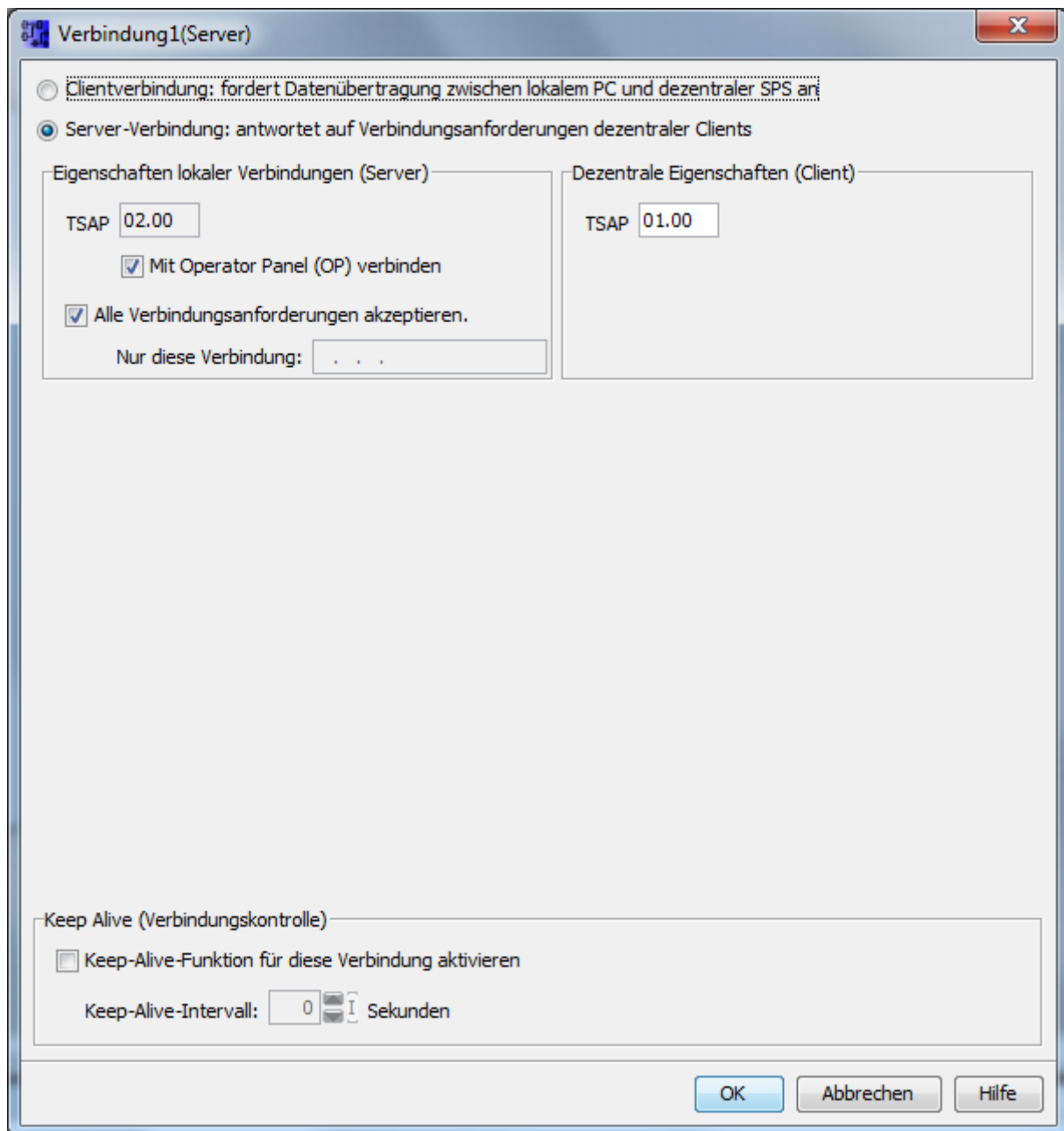
Prepare Logo! controller for access via TCP/IP

With PLCcom it's possible to access input, output, and flags as well as accessible data blocks. The access of Logo! controllers is deactivated by default. You need to perform the following steps to allow the access.

1. Choose Extras -> Ethernet connection and create a new connection by right clicking:



2. Set up the connection as follows:



3. Save your settings and load them to your PLC.

Please note: When using a Logo! OBA7 you can only establish one connection at a time.

Logo! OBA8 connection timeout

When using a Logo! OBA8 please note that the controller will close the connection after 10 seconds if no data was requested from the PLC. The countdown resets after each requests.

We recommend to not open the connection manually, but letting the driver manage the connection via auto-connect.

Logo! Controller memory organization

The memory organization of Logo! controllers is significantly different to that of other Siemens controllers.

The main difference is that all variable ranges are within the VM memory. The VM memory can be accessed with PLCcom via DB1.

Memory ranges of a Logo! OBA07 controller

The following table shows the memory ranges of a Logo! OBA07 controller.

VM memory can be accessed with PLCcom by reading or writing to data block 1 (DB1). Furthermore you can access memory ranges directly via the PLCcom library and datatypes.

Logo! Range	Block type	From VM adress	To VW adress	Data type
DI	Digital-Input	Byte 923.0	Byte 927.7	Bit
A1	Analog-Input	Byte 926	Byte 940	Word
Q	Digital-Output	Byte 942.0	Byte 943.7	Bit
AQ	Analog-Output	Byte 944	Byte 946	Word
M	Digital-Flag	Byte 948.0	Byte 951.2	Bit
AM	Analog-Flag	Byte 952	Byte 982	Word

Memory ranges of a Logo! OBA08 controller

The following table shows the memory ranges of a Logo! OBA08 controller. In contrast to the Logo! OBA07 controller memory ranges has been expanded.

VM memory can be accessed with PLCcom by reading or writing to data block 1 (DB1). Furthermore you can access memory ranges directly via the PLCcom library and datatypes.

Logo! Range	Block type	From VM adress	To VW adress	Data type
DI	Digital-Input	Byte 1024.0	Byte 1031.7	Bit
A1	Analog-Input	Byte 1032	Byte 1063	Word
Q	Digital-Output	Byte 1064.0	Byte 1071.7	Bit
AQ	Analog-Output	Byte 1072	Byte 1103	Word
M	Digital-Flag	Byte 1104.0	Byte 1117.7	Bit
AM	Analog-Flag	Byte 1118	Byte 1245	Word
NI	Digital- Networkinput	Byte 1246.0	Byte 1261.7	Bit
NAI	Analog- Networkinput	Byte 1262	Byte 1389	Word
NQ	Digital- Networkoutput	Byte 1390.0	Byte 1405.7	Bit
NAQ	Analog- Networkoutput	Byte 1406	Byte 1469	Word

Any questions?

Please write an email to support@indi-systems.de.

We will process your request promptly or respond to you directly.