



# ACCON-AGLink

## The fast and flexible communication library

For control systems with increased computational complexity PCs are the first choice. ACCON-AGLink ensures smooth data exchange between PC and PLC. Self-created PC programs can thus easily access the various controllers.

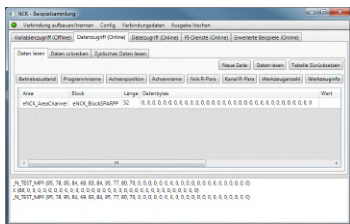
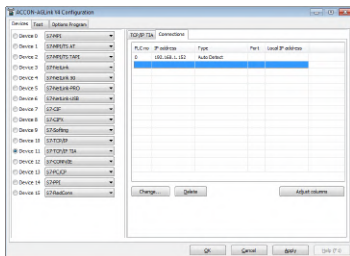
### Perfect fields of application

ACCON-AGLink is independent from the applied PLC hardware: No matter which PLC hardware you want to access to, with ACCON-AGLink you don't have to care about the details.

In addition, ACCON-AGLink is independent of the communication path used: The most diverse controller generations and PLC types support the most varied communication paths - ACCON-AGLink as well.

### Varied ranges of application

ACCON-AGLink comes with sample programs for most programming languages. Therefore we have developed the API Guide for you. Not only can you interactively run and test every single function of ACCON-AGLink, you can also view the source code in C++, C#, Java, VB.net or Delphi and copy it into your development environment.



“The other vendors had no solution, because one would still have to handle with an additional PLC somehow. With ACCON-AGLink we really have the deluxe solution. That's more than expected.”

## Different options of how to access data via ACCON-AGLink:



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## Convincing and varied

You use the Siemens TIA Portal V16? ACCON-AGLink also supports the S7-1200 / S7-1500 with optimized block access and masters the import of symbols directly from the TIA Portal versions 11 to 16.

As a special feature, ACCON-AGLink offers the possibility of event-controlled response to PLC telegrams in order to avoid the need to start constant queries. You only want to send certain values cyclically from the PLC without having to ask each time? This feature is already implemented in ACCON-AGLink.

Do you program on Linux? In addition to Desktop Linux, Raspberry PI 3 (Linux) is also supported.

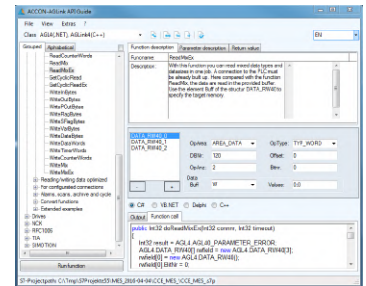
## You have the choice

ACCON-AGLink is available as a single license or as a developer license. The single license includes all available modules, optionally with TIA functionality. The single license must be purchased for each PC.

Alternatively, you can also purchase the developer license. This can consist of any combination of the available ACCON AGLink modules. Every developer needs his own license from ACCON-AGLink. Under license terms, the Developer License includes an unlimited number of runtime licenses. In addition, a maintenance contract is available for the developer license.

## Technical highlights

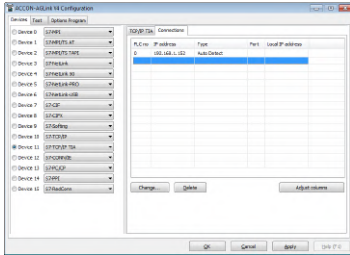
- Supports the PLC types S7-200, S7-1200, S7-1500, S7-300, S7-400, S7-400H, LOGO! 0BA7, LOGO! 0BA8, S5, as well as the machine tool control SINUMERIK 840D
- Communication via MPI, PROFIBUS, PPI, TCP/IP and RK512/3964(R)
- Supports all common programming languages via DLL or Shared Object
- All TIA functions are available for the Java wrapper
- Uniform software for all control types and for all supported operating systems, change of communication way is possible without changing the program
- Extensive functionality to read and write process data
- Extensive range of comfort functions
- Access to S7 Symbolic (with module "SymbolikPro")
- Symbol import from TIA Portal projects (\*.ap11 to \*.ap16)
- Online symbol import from PLCs projected with TIA Portal
- Available for Windows, Windows CE, Linux, Solaris, OS9000 and VxWorks
- Maintenance contract available



“We are very satisfied with ACCON-AGLink. Everything worked wonderfully. ACCON-AGLink provides good examples and the connection is really easy.“

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## Technical details



“For the first bigger system control, which could not be realized with a Siemens controller for various reasons, we have now used ACCON-AGLink for the communication between PC and Siemens PLC. In this new development, we were very convinced of ACCON-AGLink, have only had good experience with it and also received very positive feedback from the PLC programmers involved. Since your products still provide many other possibilities that we currently have no use for, there are bound to be further potential applications in the future, which we will gladly use.”

### Supported operating systems

Windows XP, 2008R2, 7, 8.1, 2012R2, 10, Server 2016, Windows CE (V4 and above), Linux, Solaris, OS9000, VxWorks

### Supported PLCs

S5, S7-200, S7-1200, S7-1500, S7-300, S7-400, S7-400H (S7-300/400 compliant PLCs, e.g. Vipa, Saia, Berthel), LOGO! 0BA7, LOGO! 0BA8, devices with 3964/3964R protocol, devices with RK512 protocol, devices with RFC1006 protocol

### Supported communication channels (selection)

PLC interface	PC interface		
	TCP/CP	USB	Siemens CP
<b>S7-300/400/400H via MPI</b>	ACCON-NetLink-PRO compact	ACCON-NetLink-USB compact	+
<b>S7-300/400/400H via PROFIBUS</b>	ACCON-NetLink-PRO compact	ACCON-NetLink-USB compact	+
<b>S7-300/400/400H via TCP/IP (PN/IE)</b>	+	–	+
<b>S7-200 via PPI</b>	ACCON-NetLink-PRO compact	ACCON-NetLink-USB compact	+
<b>S7-200 via TCP/IP</b>	+	–	+
<b>S7-1200/1500 via TCP/IP</b>	+	–	+
<b>LOGO! 0BA7, LOGO!</b>	+	–	–
<b>SINUMERIK<sup>1</sup> via PROFIBUS</b>	ACCON-NetLink-PRO compact	ACCON-NetLink-USB compact	–
<b>SINUMERIK<sup>1</sup> via TCP/IP</b>	+	–	–
<b>Drives<sup>2</sup> via PROFIBUS</b>	ACCON-NetLink-PRO compact	ACCON-NetLink-USB compact	

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## Supported communication channels (selection)

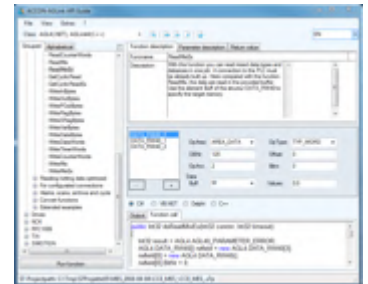
PLC-interface	PC interface		
	TCP/CP	USB	Siemens CP
Drives <sup>2</sup> via TCP/IP	+	–	–
S5 via PG bushing (AS511)	ACCON-COM-Kabel IE ACCON-S5-LAN	ACCON-COM-Kabel USB	–
S5 via TCP/IP	+	–	–
RFC1006	+	–	–

+ Possible without any adapter

– Not possible

<sup>1</sup> SINUMERIK 840D pl or SINUMERIK 840 D sl

<sup>2</sup> MicroMaster or SINAMICS



“I have read very good evaluations and statements about the communication library ACCON-AGLink. Then I tested ACCON-AGLink and was pleasantly surprised.”