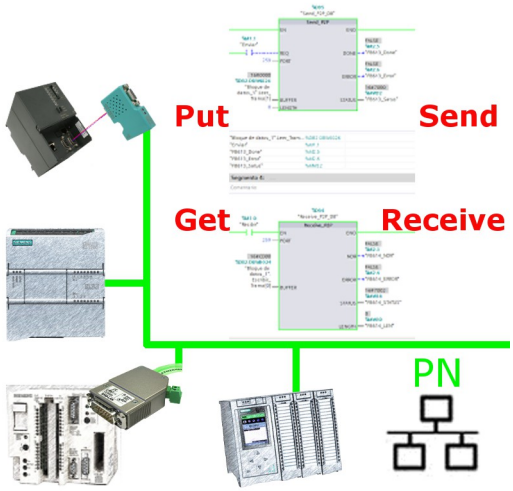
Handling short instructions for PLC coupling



Commissioning of S5-LAN++ and S7-LAN

Before you can start with the configuration of the coupling you should first set up your S5-LAN++ (to access your S5 controller via the PG interface) and / or S7-LAN (to access your S7 controller via PPI/MPI/Profibus) modules. For this please read the short instructions for the S5-LAN++ or S7-LAN.

Configure coupling

The S5-LAN++ and S7-LAN are supporting multiple couplings. In general a distinction is made between a active controller, which establishes and manages the connection, and a passive controller, which waits for the connection and queries.
For the coupling type “PUT/GET” a change is only needed on the active controller, because here flags and data blocks from the passive controller are directly accessed by the active controller.
For the coupling type “SEND/RECV” a change on both controllers is needed.

The following table shows a overview about possible couplings between controllers and shows up, where you can find more information about the configuration of the coupling. All descriptions and example applications can be downloaded on the product page of the S5-LAN++ and S7-LAN.

controller 1 (active)	**controller 2 (passive)**	**coupling type**	**description / example**
S7-200 via PPI	*any*	PUT/GET	project „S7-LAN_PUT-GET“
	S7-200 via PPI	SEND/RECV	project „S7-LAN_SEND-RECV“
S7-300/400 via MPI/DP	*any*	PUT/GET	project „S7-LAN Aktives PUT-GET“
	S7-300/400 via MPI/DP	SEND/RECV	project „S7-LAN an S7-LAN“
	S5 via PG port	SEND/RECV	project „S5-LAN++ an S7-LAN“

controller 1 (active)	controller 2 (passive)	coupling type	description / example
S7-300/400 via Ethernet-CP	S7-200/300/400 via PPI/MPI/DP	PUT/GET	S7-LAN manual section „Access via PUT/GET“
	S7-300/400 via MPI/DP	SEND/RECV	project „S7-LAN an S7-CP“
	S5 via PG port	PUT/GET	S5-LAN short instruction „S5-S7-coupling“
	S5 via PG port	SEND/RECV	Project „S5-LAN++ an S7-CP“
S7-1200/1500 via Ethernet	S7-200/300/400 via PPI/MPI/DP	PUT/GET	S7-LAN manual section „Access via PUT/GET“
	S5 via PG port	PUT/GET	S5-LAN short instruction „S5-S7-coupling“
S5 via PG port	S5 via PG port	SEND/RECV	project „S5-LAN++ an S5-LAN++“

For every example project shown in the table above there is also a description of the project. For S5 couplings this can be found within the ZIP archive with the example projects and for S7 couplings within the manual of the S7-LAN module.

Under the web-address https://www.process-informatik.de are product specific documentations or software-driver/-tools available to download.
If you have questions or suggestions about the product, please don't hesitate to contact us.

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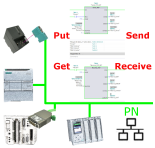
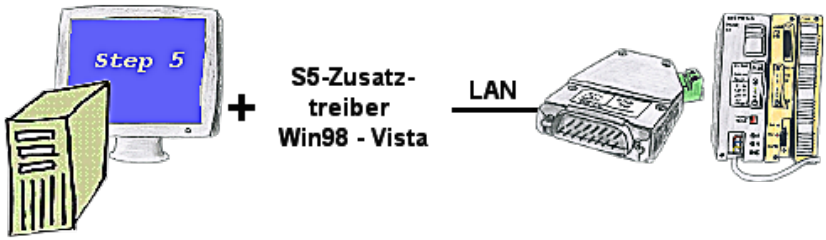


Please make sure to update your drivers before using our products.

Communication with Win98 – XP/Vista/7/8/10/11 via network to S5-PLC



You still have a PC with Win98 and a MS-DOS-based Step5-package and would like to go Online on your S5-PLC via LAN? No problem, the provided virtual Com-Port PLCVCom emulates a COM-port on your PC with which you go Online. Even your MS-DOS-based Step5-software on this WIN98-PC can use this virtual Com-Port. With a patchtool for the Siemens Step5-software, which is provided as well, nothing else stands in your way to communicate via LAN.

Operation/control via integrated web-server

Observe the collected energy-information (voltages, power, currents, phase-angles, ...) on the integrated web-server of _MONI_ "cable-less" with your mobile-phone or tablet. Change the parameterization of _MONI_, operate and control _MONI_ easily via the web interface.

Of course you can also operate wired, where you put _MONI_ in your network. Parallel operation of LAN and Wifi is also possible.