

NETLink PRO

Universal Interfaces for Access to S7 Controllers

Application

NETLink PRO offers fast and easy connection to S7 controllers. Seamlessly integrating into the Siemens tools like STEP7, WinCC, ProTool for programming, configuration or visualization, it eliminates the need for conventional programming adapters and communication processors (CP).

The Choice Is Yours

With the supplied 1.2 m connecting cable, NETLink PRO is connected to the controller directly via the PG interface or the PROFIBUS. One NETLink PRO allows communicating with up to **12 controllers simultaneously**.



NETLink PRO connects your PC to S7 controllers

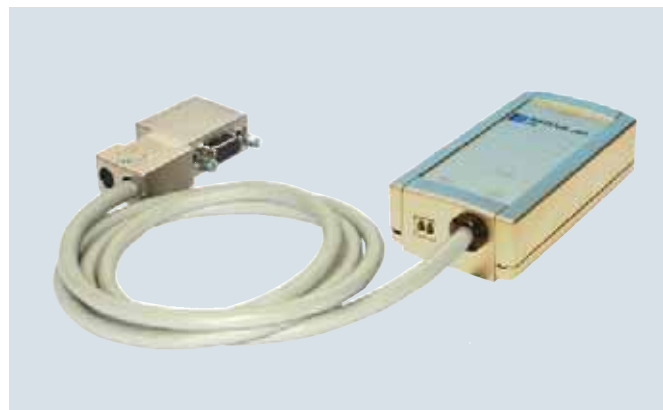
There are two ways to connect NETLink PRO to the PC:

- NETLink PRO/ETH has a **10/100 Mbit Ethernet interface** and thus integrates into any TCP network structure. Up to seven NETLink PRO/ETH can be connected to a PC. For stationary use, the device can be mounted directly to the top-hat rail.
- NETLink PRO/USB is the ideal solution for mobile applications. With its **USB 2.0** compatible interface, it connects to practically any PC. If the PC supports **high speed transfer**, the device can even be used at 480 Mbits/s.

Easy and Convenient

The connecting cable of NETLink PRO is designed as an **active line** for interference-free connection to MPI/PROFIBUS. Its second PG socket permits connecting additional devices to the S7 controller. Besides direct power supply from the controller or the USB connector, an external 24 V power supply is also possible. The bus is always **galvanically isolated** from the Ethernet or USB side. NETLink PRO automatically recognizes the baud rate on the MPI or PROFIBUS, which may be up to **12 Mbits/s**.

Product Information



Matching Your Environment

Due to its compatibility with the Siemens tools STEP7, WinCC, ProTool/Pro, and PDM as well as the controllers of the S7-200, S7-300, and S7-400 families, the changeover to NETLink PRO is completely unproblematic. Your application environment will provide all the information in the usual way. In combination with the Softing S7/S5 OPC Server, NETLink PRO provides the ideal access for your SCADA system.

Customer Benefits

- Cost-effective connection alternative
- Robust hardware in a small casing
- Can be mounted on a top-hat rail
- Bridges any distance via Ethernet
- Plug&Play through USB 2.0
- Supports maximum data transfer rates of up to 12 Mbps
- Automatic baud rate recognition
- Seamless integration in Siemens STEP7, WinCC and ProTool
- Up to 12 PLC connections at once
- Can be used in environments up to 60° C

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Product Information

NETLink PRO: Universal Interfaces for Access to S7 Controllers

Technical Data

	NETLink PRO/ETH	NETLink PRO/USB
CPU	32-Bit RISC, 2 MB SRAM, 2 MB Flash	32-Bit RISC, 2 MB SRAM, 2 MB Flash
Protocol	MPI/PROFIBUS, FDL	MPI/PROFIBUS, FDL
FDL data transfer rate	Max. 12 MBit/s	Max. 12 MBit/s
S7 connection	Active line with 9-pin D-sub connector and bus termination	Active line with 9-pin D-sub connector and bus termination
PC connection	RJ45	USB Typ B and USB cable A-B
Type of communication	Ethernet 100BASE-TX/10BASE-T	USB version 2.0
Data transfer rate	100 Mbit/s and 10 Mbit/s automatic recognition	Highspeed (480 Mbit/s), fullspeed (12 Mbit/s) automatic recognition
Symultaneous connections	7* TCP/IP, 12 MPI/PROFIBUS connections	1 USB, 12 MPI/PROFIBUS connections

Miscellaneous

Power supply	24 V \pm 25 %, max. 150 mA, external or from the controller	5 V from USB, typ. 2 W, alternatively: 24 V \pm 25%, max. 150 mA, external or from the controller
Temperature range	Operation: 0° C ... +60° C, Storage: -20° C ... +70° C	Operation: 0° C ... +60° C, Storage: -20° C ... +70° C
Housing, dimensions (WxHxD)	Metallized ABS 54 x 30 x 105 mm (W x H x D) (2.1" x 1.2" x 4.1")	Aluminium 55 x 25 x 100 mm (W x H x D) (2.2" x 1.0" x 3.9")
Weight	ca. 250 g	ca. 250 g
Approvals	CE	CE
Protection class	IP 20	IP 20

System Requirements

	PC/PG with Windows 2000 or Windows XP	PC/PG with Windows 2000 or Windows XP
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Supported Software

	Softing S7/S5 OPC Server Siemens STEP7, ProTool, WinCC, PDM	Softing S7/S5 OPC Server Siemens STEP7, ProTool, WinCC
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Scope of Delivery

	NETLink PRO/ETH Ethernet cable (3m, straight) Installation manual CD with Windows drivers	NETLink PRO/USB USB cable 3 m Installation manual CD with Windows drivers
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Order Number

	NETLINK-PRO-ETH	NETLINK-PRO-USB
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* Up to six computers can be connected to NETLink PRO/ETH for use with OPC Server and/or STEP7. One additional computer can be connected via RFC 1006 to NETLink PRO/ETH (NETLink PRO/ETH needs to be reconfigured as described in the documentation).

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