

## NETLink® PRO, Ethernet Gateway for MPI/PROFIBUS



NETLink® PRO, Ethernet Gateway

- Programming & configuring via Ethernet
- Visualization via Ethernet
- Teleservice via Internet

The new NETLink® PRO for programming, configuring and visualization of programmable controllers from Siemens is plugged directly into the CPU of the programmable controller via its 1.2 m connecting cable. The connecting cable is an active cable and therefore does not influence the MPI/PROFIBUS. The second programmer (PG) jack enables connection of a further device to the CPU of the programmable controller.

The new NETLink® PRO can optionally also be powered from an external 24 V DC power source.

At the controller end, the NETLink® PRO permits the full transmission rate of 12 Mbps via MPI and PROFIBUS. The transmission rate of the TCP network of 10 Mbps or 100 Mbps is automatically detected by the device. At the MPI end, the NETLink® PRO enables 12 simultaneous links. Moreover, the new NETLink® PRO features automatic baudrate detection and flexible configuration, such as DHCP and a Web interface.

An Ethernet jack instead of a permanently affixed Ethernet cable permits flexible connection.

The 3 m Ethernet connecting cable (straight) is provided with the NETLink® PRO.

The MPI/PROFIBUS is electrically isolated from the external 24 V DC power source and from the Ethernet interface (functional separation).

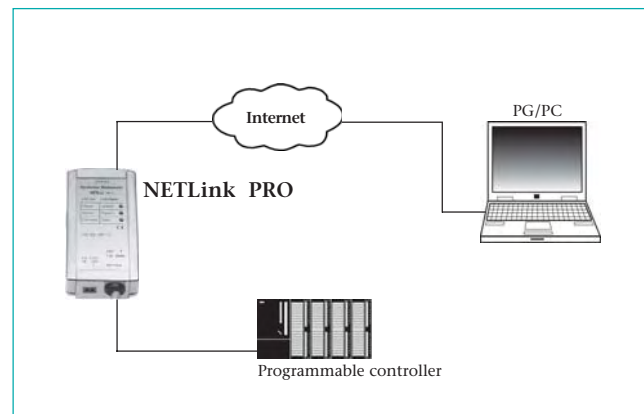
New is the support for RFC 1006 protocol (ISO on TCP).

The firmware is always updateable to the newest volume with the included update-program SHTools.

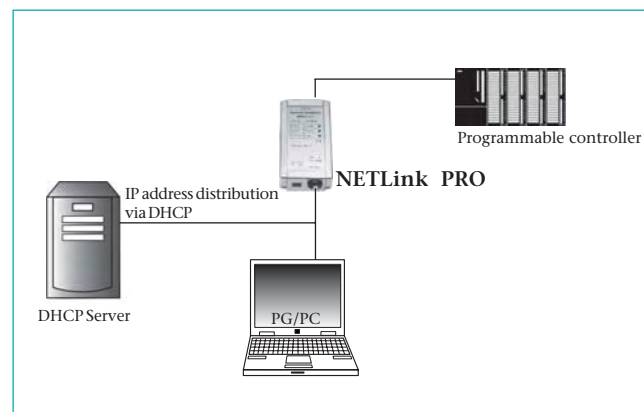
### Features

- MPI/PROFIBUS up to 12 Mbps, autobaud
- 12 links on MPI/PROFIBUS
- 6 links on TCP
- Power supply from the CPU
- External 24 V power source possible
- With programming device connector (PG) as standard
- DHCP, Web configuration
- RJ45 jack for connecting the TCP cable
- Support of all common Simatic<sup>1)</sup> Engineering Tools
- TCP/IP 10/100 Mbps
- ISO on TCP (RFC 1006)

## NETLink PRO



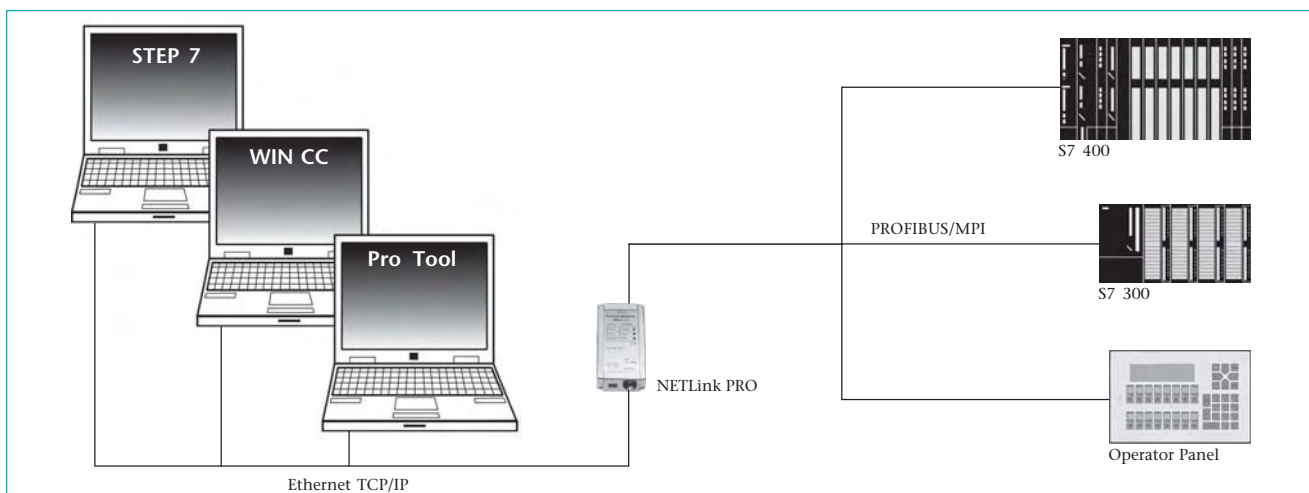
Application for NETLink® PRO in a WAN for example via dial inn router



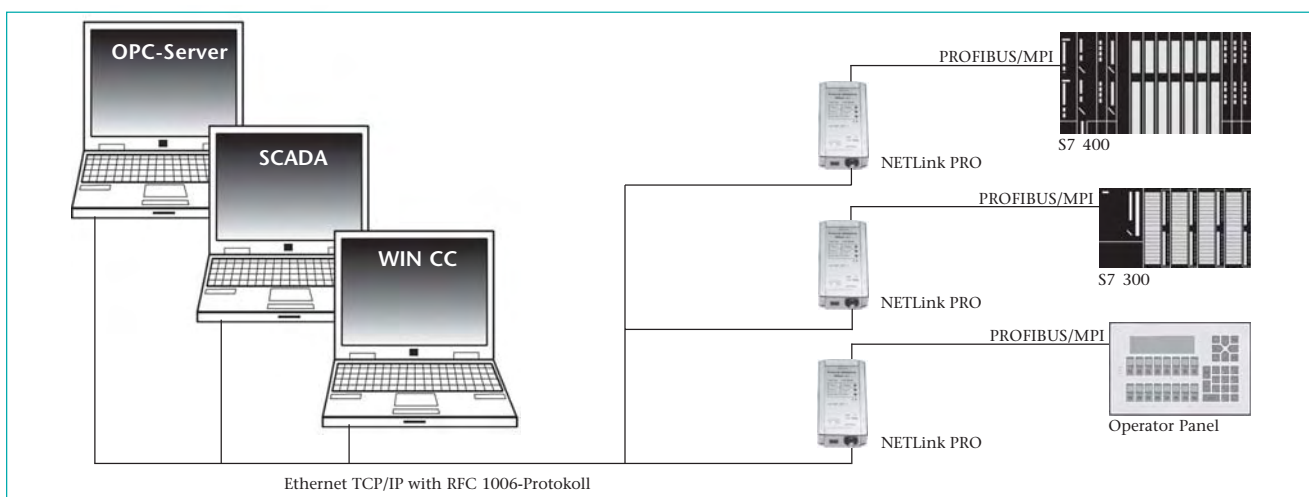
Application for NETLink® PRO in a LAN for example address distribution via DHCP

1) Simatic is a registered trademark of Siemens AG

## NETLink® PRO, Ethernet Gateway for MPI/PROFIBUS



Application example for programming and projecting with Siemens-Software



Application example for RFC 1006 (ISO on TCP)

Ordering Data	
	Order-No.
<b>NETLink® PRO</b> (incl. 3 m Ethernet cable)	<b>700-881-MPI11</b>
Crossover-adapter	700-880-CROSS
DIN rail adapter short	700-751-HSH01
Power Plug (optional)	700-751-SNT01

Technical Data	
Dimensions (LxWxH mm)	105 x 54 x 30
Weight	approx. 250 g
<b>Power Supply</b>	
Voltage	DC +24 V ±25 %
Current consumption max.	150 mA
<b>Communication interface</b>	
Type	10 Base-T/100 Base-TX
Connector	RJ45
Transmission rate	10/100 MBit/s, autodetection
<b>MPI/PROFIBUS</b>	
Type	RS485
Transmission rate max.	12 MBit/s
Connector	SUB-D, 9-way with PG interface and terminating resistor
Protocols	FDL frames
Operating temperature	0°C...60°C
Indicators	3 LEDs, therefrom 2 two coloured
Degree of protection	IP 20

## NETLink® USB, Highspeed USB Gateway for MPI/PROFIBUS



NETLink® USB, Highspeed USB Gateway

- Programming and configuration via USB
- Visualization via USB

The new NETLink® USB is an alternative to a PROFIBUS-PCMCIA plug-in card.

Its 1.2 m connecting cable is plugged directly into the CPU of the programmable controller. The connecting cable is an active cable and therefore does not influence the MPI/PROFIBUS. The second programmer (PG) jack enables connection of a further device to the CPU of the programmable controller.

The NETLink® USB permits conversion of a USB interface to MPI/PROFIBUS for programming or visualization with the full transmission rate of up to 12 Mbps. Furthermore, 12 simultaneous links can be established.

The new NETLink® USB is powered from the USB bus, but also features an optional 24 V DC power supply and automatic baudrate detection. At the USB end, the protocols Fullspeed (12 Mbps) and Highspeed (480 Mbps) are supported.

The MPI/PROFIBUS is electrically isolated from the external 24 V DC power source and from the USB interface (functional separation).

A 3-m high-speed USB cable is included with the NETLink® USB.

The firmware is always updateable to the newest volume with the included update-program SHTools.

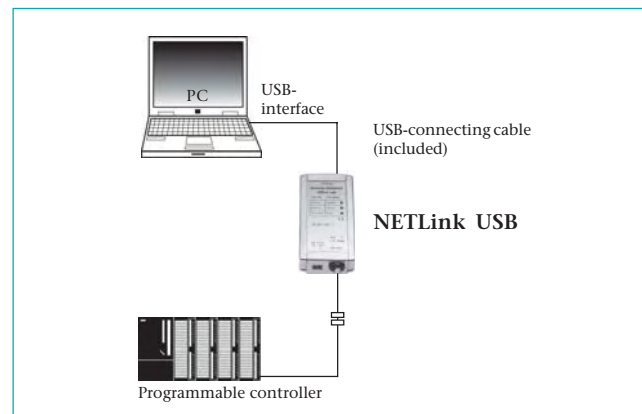
Ordering Data	
	Order-No.
NETLink® USB (incl. 3m USB cable)	700-890-MPI11
DIN rail adapter short Power Plug (optional)	700-751-HSH01 700-751-SNT01

1) Simatic is a registered trademark of Siemens AG

### Features

- MPI/PROFIBUS up to 12 Mbps, autobaud
- USB 2.0 up to 480 Mbps
- 12 links on MPI/PROFIBUS
- Power supply via USB
- External 24 V power source possible
- With programming device connector (PG) as standard
- Support for all common Simatic<sup>1)</sup> Engineering Tools

## NETLink USB



Application for NETLink® USB

### Technical Data

Dimensions (LxWxH mm)	105 x 54 x 30
Weight	approx. 250 g
<b>Power Supply</b>	
Voltage	DC 24 V ±25 % / DC 5 V USB
Current consumption	max. 150 mA at DC 24 V / max. 500 mA at DC 5 V USB
<b>Communication interface</b>	
Type	USB 2.0
Connector	USB-A
Transmission rate	12 MBit / 480 MBit
<b>MPI/PROFIBUS</b>	
Type	RS485
Transmission rate	max. 12 MBit/s
Connector	SUB-D, 9-way with PG interface and terminating resistor
Protocols	FDL frames
Operating temperature	0°C...60°C
Indicators	3 LEDs, therefrom 2 two coloured
Degree of protection	IP 20

## NETLink® lite, Ethernet-Gateway for MPI/PROFIBUS



NETLink® lite, Ethernet-Gateway for MPI/PROFIBUS

- **Programming and configuration**

- **Teleservice**

Installed in a SUB-D shell, it contains a complete field bus participant with a 10/100 Mbps Ethernet interface.

It is connected directly to the field bus connector of a automation device and connects it to the next switch or hub via a Ethernet cable.

The NETLink® lite can be used both in an MPI and in a PROFIBUS network.

The 24 volt power supply is drawn via the MPI/PROFIBUS connection.

The driver supplied, links the NETLink® lite into the programming software. All programming functions are available.

The crossover adapter permits direct connection of the NETLink® lite to a laptop or PC without a hub or switch.

The NETLink® PRO is used for permanent installations for example visualizations and operating data record.

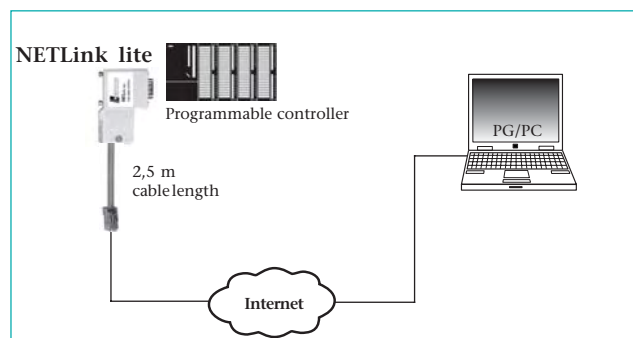
# NETLink lite



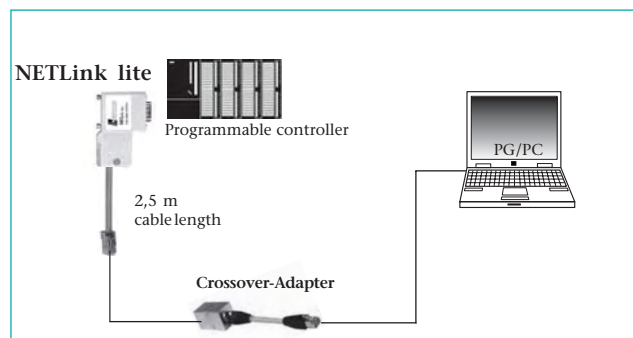
Ordering Data	
	Order-No.
NETLink® lite with S7-Switch	700-880-MPI01
Crossover-adapter	700-880-CROSS

### Features

- MPI/PROFIBUS up to 12 MBit/s
- 4 links to MPI/PROFIBUS
- 2 links to TCP
- Power supply from PLC
- Support of all common Simatic<sup>1)</sup> Engineering Tools
- TCP/IP 10/100 MBit/s



Application for the NETLink® lite in a WAN for example via dial in router



Application for the NETLink® lite (with crossover adapter) for direct connection to your Network card

Technical Data	
Dimensions (LxWxH mm)	65 x 48 x 16
Weight	approx. 150 g (incl. cable and connector)
<b>Power supply</b> Voltage Current consumption	DC 24 V 70 mA
<b>Communication Interface:</b> <b>Ethernet Connection</b> Type: Standard	10 Base-T 100 Base-TX
Connector	RJ45
Transmission rate	10/100 MBit/s autodetection
<b>MPI</b> Transmission rate max.	12 MBit/s
Data link	FDL frames
Operating temperature	0°C to 55°C
Indicators	2 LEDs, one of them 2-coloured, communication status
Degree of protection	IP 20