

# netLINK

## The new generation of the original

CONNECTED BY  
**netx**

### Description

5 Years ago, when we introduced the “netLINK – the definitive smallest Ethernet Gateway” to the market, we not only introduced the name of an industry standard.

After 20,000 devices sold, the new generation of the netLINK is now ready for delivery.

We have remained true to our requirement to provide all functions in a handy DSub plug. Based on the netX technology we have been able to expand the computing performance on the parallel MPI communication up to 32 controls and , in addition, to implement the RFC 1006 protocol. Thus, numerous visualizing systems can now be connected directly to the Siemens Company controls.

An additional PG socket is available for use as programming device adaptor. An external 24 V supply is also now possible as an alternative to the power supply through the controls. This permits the connection to any desired peripheral devices in the PROFIBUS network.

New, also, is that a RJ45 socket has been incorporated, in place of the Ethernet line. In this way we have accommodated the wishes of many customers for whom the length of the fixedly-connected cable was either too short or too long.

Despite completely new technology, the netLINK is compatible with previous versions and all available drivers or OPC Servers without changes to the definitive still-smallest Ethernet Gateway.

### Highlights

- Parallel MPI communication to 32 controls via 16 TCP/IP connections
- RFC 1006 protocol for connection of visualizing systems
- RJ45 Port with status LEDs
- Ethernet connection with auto crossover and autonegotiation
- Autobaudrate detection
- Additional PG socket
- Power supply through the controls or alternatively via external 24 V



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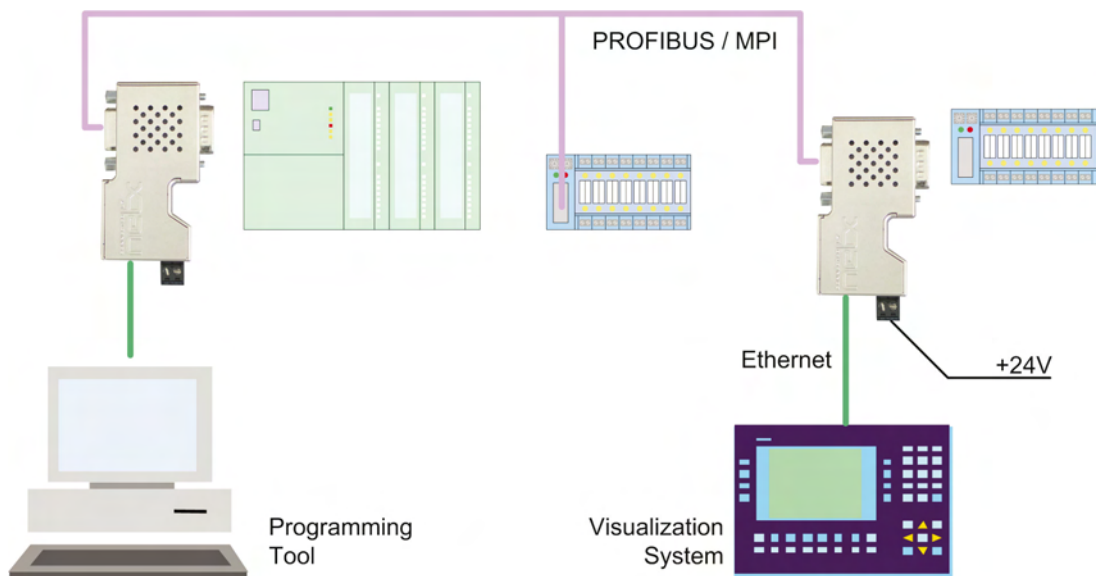
### Typical applications

The following overview picture shows the typical applications of the netLINK in an automation installation with PROFIBUS/MPI network.

The netLINK has a housing shape that fits to the PG sockets of the Siemens S7-300 and S7-400 controls. Together with a programming device driver such as from the IBH Softec Company it carries out an Ethernet interface for connection to the programming PC. In this case, the power supply of the netLINK comes from the controls and the connection of the PROFIBUS network is provided from the PG socket of the netLINK.

OPC Servers are available from various companies for connection of visualizing systems. These use the opened Ethernet interface of the netLINK for data exchange with the controls. Many visualizing programs already possess a RFC 1006 driver that can communicate directly with the netLINK.

If the netLINK is connected directly to the peripheral device, then the 24V supply must be provided externally.



typical application of the netLINK

### Technical data

Parameter	Value
Processor	netX 50
Memory	8 MB SDRAM / 4 MB Flash
Connections	MPI/PROFIBUS / DSub plug 9 pole PG / DSub plug 9 pole RJ45 Ethernet BASE-TX, 24 V / Combicon 3,81 mm 2 pole
Displays	System LED, RTE-Status LEDs COM / Communication running ACT / Ethernet activity Status LNK / Ethernet link Status

Parameter	Value
Operating voltage	+24 V / typ. 60 mA
Operating temperature	-0°...+55° C
Dimensions (L x W x H)	75 x 17 x 41 mm
EMC	IEC 61131-2
RoHS	Yes
UL	In Preparation

### Product overview

Article designation	Article number	Article
NL 50-MPI	1701.430	netLINK 50 Gateway Ethernet \ MPI

Distribución: **ER-SOFT, S.A.** Email: [er@er-soft.com](mailto:er@er-soft.com), Tel: +34 916 408 408

### Headquarters

**Germany**  
Hilscher Gesellschaft für  
Systemautomation mbH  
Rheinstrasse 15  
65795 Hattersheim  
Phone: +49 (0) 6190 9907-0  
Fax: +49 (0) 6190 9907-50  
E-Mail: [info@hilscher.com](mailto:info@hilscher.com)  
Web: [www.hilscher.com](http://www.hilscher.com)

### Subsidiaries

**China**  
Hilscher Ges.f.Systemaut. mbH  
Shanghai Representative Office  
200010 Shanghai  
Phone: +86 (0) 21-6355-5161  
E-Mail: [info@hilscher.cn](mailto:info@hilscher.cn)

**France**  
Hilscher France S.a.r.l.  
69500 Bron  
Phone: +33 (0) 4 72 37 98 40  
E-Mail: [info@hilscher.fr](mailto:info@hilscher.fr)

**Italy**  
Hilscher Italia srl  
20090 Vimodrone (MI)  
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**Switzerland**  
Hilscher Swiss GmbH  
4500 Solothurn  
Phone: +41 (0) 32 623 6633  
E-Mail: [info@hilscher.ch](mailto:info@hilscher.ch)

Hilscher Swiss GmbH  
Branch Office East Switzerland  
Embedded Systems  
9444 Diepoldsau  
Phone: +41 (0) 71 737 7575  
E-Mail: [info@hilscher.ch](mailto:info@hilscher.ch)

**USA**  
Hilscher North America, Inc.  
Lisle, IL 60532  
Phone: +1 630-505-5301  
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