

netLINK / netTAP-MPI

Ethernet to MPI/DP/PPI Converter for SIMATIC S7®

- Parallel communication to 32 PLCs with up to 16 TCP connections
- Direct PLC to PLC communication, also as projected connection
- For all S7 Engineering Tools inclusive TIA Portal
- Web based configuration, protocol support of RFC1006 and DHCP
- Full access to PROFIBUS diagnostics and services in STEP7®
- Automatic DP/MPI baud rate detection



Ethernet upgrade for S7-PLCs with MPI/DP/PPI port

As directly mountable or as firmly attachable DIN rail mountable device the adaptors netLINK- and netTAP-MPI are replacing expensive CP communications processors and allow the programming, visualization and control of S7-200®, S7-300® or S7-400® PLCs over Ethernet.

The provided driver integrates into all well-known SIMATIC S7® engineering tools like STEP7® or TIA portal as PG/PC programming interface. The device is setup within the engineering tool or with conventional web browsers over the integrated web configuration pages.

The adaptors are suitable to program or change S7-PLC control programs and may serve to engineer HMI devices with the visualization software WinCC. By supporting the „ISO on TCP“ RFC1006 Ethernet protocol any third party or SIMATIC® visualization stations can be coupled to the PLC. Once integrated into the office or plant network and

connected to the internet also remote maintenance and logging over a router is possible since plain TCP/IP protocol access mechanisms are used.

Organized in a network direct communication between two or several PLCs over Ethernet can be realized. Even a coupling of PLCs with no own Ethernet port is possible using two adapters in conjunction. Featuring full PROFIBUS diagnostics and Master Class 2 DPV1 services enables unrestricted DP Slave device configuration and parameterization in STEP7®.

Power is supplied by a 24 V DC. If supported by the S7 PLC the netLINK-MPI adaptor may be powered over the DSUB9 connector alternatively and its extra feed-through DSUB9 connector allows the connection of further devices to the same MPI/DP network.



→ QR Code Link: netLINK- / netTAP-MPI
Service-Hotline: +49 (0) 6190 9907-90
www.hilscher.com

Product Information

Technical Data

Technical Data: netLINK MPI

Operating Temperature
±0... +55 °C

Power Supply
+18 ... +30 V / ca. 60 mA @ +24 V

Dimensions (L x W x H)
65 × 48 × 16 mm

Processor
netX 50

Supply
Mini-COMBICON 3,81mm 2-pole or S7 DSub-9 MPI/PROFIBUS

Interfaces
- Fast Ethernet 10/100 BASE-TX
- MPI/PROFIBUS 12 MBaud IEC 61158

LEDs
SYS, COM, ACT, LNK

Weight
ca. 40 g

Emission
CISPR 11 Class A

Immunity
EN 61131-2:2003

Supported PLCs
SIMATIC S7® 200,300,400 CPU/CPs with MPI/PROFIBUS/PPI Interface

Technical Data: netTAP MPI

Operating Temperature
±0°C ... +60°C

Power supply
+18 ... +30 V / ca. 130 mA @ +24 V

Dimensions (L x W x H)
100 × 52 × 70 mm

Processor
netX 50

Supply
Mini-COMBICON 3,81mm 2-pole

Interfaces
- Fast Ethernet 10/100 BASE-TX
- MPI/PROFIBUS 12 MBaud IEC 61158

Display
SYS, COM, ACT, LNK

Weight
ca. 150 g

Emission
CISPR 11 Class A

Immunity
EN 61131-2:2003

Supported PLCs
SIMATIC S7® 200,300,400 CPU/CPs with MPI/PROFIBUS/PPI Interface

Note: All technical data may be changed without further notice.

Product Overview

NL 50-MPI	1701.430	netLINK-MPI, SIMATIC S7 Programming adaptor
NT 50-MPI	1758.111	netTAP-MPI, SIMATIC S7 Programming adaptor DIN rail mountable



→ QR Code Link: netLINK- / netTAP-MPI
Service-Hotline: +49 (0) 6190 9907-90
www.hilscher.com