

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 adaptors 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.



PRODUCT INFORMATION

TECHNICAL DATA

Technical Data: netLINK MPI

Operating Temperature

±0°C ... +55°C

Power supply

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

Dimensions (L x W x H)

65 x 48 x 16 mm

Supply

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

Processor

netX 50

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 Classe 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 x 52 x 70 mm

Supply

Mini-COMBICON 3,81mm 2-pole

Processor

netX 50

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 Classe 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.

Article 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