# netLINK-MPI / netTAP-MPI

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

## Highlights

- **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**

netLINK-MPI

netTAP-MPI

As directly mountable or as firmly attachable DIN rail mountable device the adapters 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 with the engineering tool itself or with conventional web browsers over the integrated web configuration pages.

The adapters are suitable for programming or changing S7-PLC control programs and serve the project engineering of HMI devices over the visualization software WinCC. By supporting the „ISO on TCP" RFC1006 Ethernet protocol any third party or series SIMATIC® type of visualization station 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 connection is possible using two adapters in conjunction. Featuring full PROFIBUS diagnostics and Master Class 2 DPV1 services unrestricted DP Slave device configuration and parameterization is supported in STEP7®.

Powered is supplied by a 24 V DC. If supported by the S7 PLC the netLINK-MPI adapter may be powered over the MPI/PROFIBUS connector as well. The extra feed-through DSUB9 connector allows the connection of other devices to the same MPI/DP network.

**hilscher**
COMPETENCE IN COMMUNICATION

# Technical Data/
# Product overview

## Technical Data

### netLINK-MPI

| Parameter | Value |
|---|---|
| Processor | netX 50 |
| Power supply | 18 … 30 V / ca. 60 mA @ 24 V |
| Supply | Mini-COMBICON 3,81mm 2-pole or via S7 DSub-9 MPI/PROFIBUS |
| Interfaces | Fast Ethernet 10/100 BASE-TX, MPI/PROFIBUS 12 MBaud IEC 61158 |
| Display | SYS, COM, ACT, LNK |
| Operating Voltage | 0°C … +55°C |
| Mass (L x B x H) | 65 mm x 48 mm x 16 mm |
| Wight | ca. 40 g |
| Emission | CISPR 11 Classe A |
| Immunity | EN 61131-2:2003 |
| Steuerungstypen | SIMATIC S7® 200,300,400 CPU/CPs with MPI/PROFIBUS/PPI Interface |

### netTAP-MPI

| Parameter | Value |
|---|---|
| Processor | netX 50 |
| Power supply | 18 … 30 V / ca. 130 mA @ 24 V |
| 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 |
| Operating Voltage | 0°C … +60°C |
| Mass (L x B x H) | 100 mm x 52 mm x 70 mm |
| Wight | ca. 150 g |
| Emission | CISPR 11 Classe A |
| Immunity | EN 61131-2:2003 |
| Steuerungstypen | SIMATIC S7® 200,300,400 CPU/CPs with MPI/PROFIBUS/PPI Interface |

Note: *All technical data can be altered without notice.*

## Overview

| Article Description | Article No | Article |
|---|---|---|
| NL 50-MPI | 1701.430 | netLINK-MPI, SIMATIC S7 Programming adapter |
| NT 50-MPI | 1758.111 | netTAP-MPI, SIMATIC S7 Programming adapter DIN rail mountabler |