

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 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.

Technical Data/ Product overview

Technical Data	netLINK-MPI		netTAP-MPI	
	Parameter	Value	Parameter	Value
	Processor	netX 50	Processor	netX 50
	Power supply	18 ... 30 V / ca. 60 mA @ 24 V	Power supply	18 ... 30 V / ca. 130 mA @ 24 V
	Supply	Mini-COMBICON 3,81mm 2-pole or via S7 DSub-9 MPI/PROFIBUS	Supply	Mini-COMBICON 3,81mm 2-pole
	Interfaces	Fast Ethernet 10/100 BASE-TX, MPI/PROFIBUS 12 Mbaud IEC 61158	Interfaces	Fast Ethernet 10/100 BASE-TX, MPI/PROFIBUS 12 Mbaud IEC 61158
	LEDs	SYS, COM, ACT, LNK	Display	SYS, COM, ACT, LNK
	Operating Temperature	0°C ... +55°C	Operating Temperature	0°C ... +60°C
	Mass (L x W x H)	65 mm x 48 mm x 16 mm	Mass (L x W x H)	100 mm x 52 mm x 70 mm
	Weight	ca. 40 g	Weight	ca. 150 g
	Emission	CISPR 11 Classe A	Emission	CISPR 11 Classe A
	Immunity	EN 61131-2:2003	Immunity	EN 61131-2:2003
Supported PLCs	SIMATIC S7® 200,300,400 CPU/CPs with MPI/PROFIBUS/PPI Interface	Supported PLCs	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 adaptor
NT 50-MPI	1758.111	netTAP-MPI, SIMATIC S7 Programming adaptor DIN rail mountable	

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