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.
**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

---

**Hilscher News:**

![hilscher.com](link)

![hilscher-automation](link)

![HilscherAutomation](link)

![@HilscherAutomat](link)

---

**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

Web: www.hilscher.com

**SUBSIDIARIES**

China

Hilscher Systemautomation Shanghai Co. Ltd.

200014 Shanghai

Phone: +86 (0) 21-6355-5161

E-Mail: info@hilscher.cn

France

Hilscher France S.a.r.l.

69800 Saint Priest

Phone: +33 4 72 37 98 40

E-Mail: info@hilscher.fr

India

Hilscher India Pvt. Ltd.

Pune, Mumbai

Phone: +91- 8888 750 777

E-Mail: info@hilscher.in

Italy

Hilscher Italia S.r.l.

20100 Milano

Phone: +39 02 29907068

E-Mail: info@hilscher.it

Japan

Hilscher Japan KK

Tokyo, 160-0022

Phone: +81 (0) 3-5362-0521

E-Mail: info@hilscher.jp

Korea

Hilscher Korea Inc.

Seongnam, Gyeonggi 463-400

Phone: +82 (0) 31-789-3715

E-Mail: info@hilscher.kr

Switzerland

Hilscher Swiss GmbH

4500 Solothurn

Phone: +41 (0) 32 623 6633

E-Mail: info@hilscher.ch

USA

Hilscher North America, Inc.

Lisle, IL 60532

Phone: +1 630-505-5301

E-Mail: info@hilscher.us

**DISTRIBUTORS**

More information at www.hilscher.com