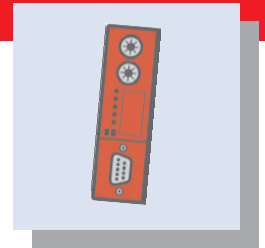


NT – netTAP



The universal Gateway

- Low space requirements
- Easy Installation and configuration
- Many protocol conversions available
- Additional interface for start-up and diagnostic
- Customer-specific connection technology possible

The netTAP

The netTAP is a universal gateway system with two serial interfaces. Thereby one interface is available as front connection at the casing on the netTAP and the other interface is led out as cable through the netTAP. The netTAP connects devices with different protocols.



Many protocol conversions are available

Ethernet to serial protocol

- Ethernet TCP/IP to ASCII or 3964R
- EtherNet/IP Adapter to Modbus RTU or ASCII or 3964R
- Open Modbus/TCP to Modbus RTU or ASCII or 3964R

Fieldbus Slave to serial protocol

- PROFIBUS-DP Slave to Modbus RTU or ASCII or 3964R
- CANopen Slave to Modbus RTU
- DeviceNet Slave to Modbus RTU or ASCII or 3964R



netTAP – Technical Information

Connecting Cables

Cables are coming out of the netTAP already completed. The connection cables for RS-232, RS-422 respectively RS-485 can be delivered with 9-pin DSub male or female connector or as coloured free core cable end.

Customer-specific

Can be produced according to your special requirements.

Information

The purpose of the fieldbus master link interface is to connect exactly one slave device to the netTAP. The serial interface of the NT 40-RS-EN (front connector) is a potential free RS-232, RS-422 or RS-485 interface and is set by the configuration software.

Product Overview

netTAP	Front Connector	Cable Connector
NT 30	Fieldbus Slave	Serial
NT 30-DPS-XIY	PROFIBUS-DP Slave	Serial
NT 30-COS-XIY	CANopen Slave	Serial
NT 30-DNS-XIY	DeviceNet Slave	Serial
NT 40	Serial	Ethernet
NT 40-RS-EN	RS-232/422/485	EtherNet/IP Slave, Open Modbus/TCP, TCP
NT 40	Ethernet	Fieldbus
NT 40-EN-XIY	EtherNet/IP Slave, Open Modbus/TCP, TCP	RS-232/422/485
-X	Serial Interface	
-RS2	RS-232	non isolated
-RSI2	RS-232	potential free
-RS4	RS-422/485	non isolated
-RSI4	RS-422/485	potential free
Y		Connector as Variant
YD9M		DSub 9-pin male
YD9F		DSub 9-pin female
YCC		Cable core ends
Accessories		
NT DIAG-RS	Diagnostic Interface serial	
NS-5TX	5 * RJ45 Ethernet Switch	

Technical Data

EtherNet/IP Slave, Open Modbus/TCP, TCP	
Transmission Rate	10/100 MBit/s
Interface	10 Base-T/100 Base-TX potential free
Front Connector	RJ 45 female
Cable Connector	RJ 45 male
CANopen-Slave	
Access to	PDO
Data Connection	Event-triggered, Async
Transmission Rate	10 kBit/s ... 1 MBit/s
Interface	ISO 11898, potential free
Front Connector	DSub 9-pin male
Cable Connector	DSub 9-pin female
DeviceNet-Slave	
Access to	Implicit IO Connection
Data Connection	Poll, Cyclic, Change of State, Bit-Strobe
Transmission Rate	125 kBit/s ... 500 kBit/s
Interface	ISO 11898, potential free
Front Connector	COMBICON 5-pin male
Cable Connector	COMBICON 5-pin female
PROFIBUS-DP-Slave	
Access to	Cyclic Data
Data Connection	DataExchange
Transmission Rate	9,6 kBit/s ... 12 MBit/s
Interface	RS-485, potential free
Connector	DSub 9-pin female
Cable Connector	DSub 9-pin male
Serial Protocols	
Transmission Rate	50 ... 19200 Bit/s
Interface	RS-232, RS-422, RS-485
Front Connector	DSub 9-pin male
Cable Connector	DSub 9-pin male, DSub 9-pin female or free cable core ends; Depending on the variant
Isolation	As Front Connection: potential free As Cable Connection: Depending on type
Diagnostic Interface	
Serial	RS-232C non isolated
LED Display	
Device Status,	
Communication Status	
Power Supply	
18 ... 30 VDC, 100 mA at 24 V	
Operating Temperature	
0 ... 50°C	
Dimensions (L x W x H)	
65 x 25 x 100 mm	
International Protection Class	
IP 20	
Mounting	
Top-hat Rail	DIN EN 60715
EMC	
Noise Immunity	EN 61000-6-2
Radiated Noise	EN 55011 Kl. B
Configuration Software	

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 Ges.f.Systemaut. mbH
Shanghai Representative Office
200010 Shanghai
Phone: +86 (0) 21-6355-5161
E-Mail: info@hilscher.cn

France
Hilscher France S.a.r.l.
69500 Bron
Phone: +33 (0) 4 72 37 98 40
E-Mail: info@hilscher.fr

Italy
Hilscher Italia srl
20090 Vimodrone (MI)
Phone: +39 02 25007068
E-Mail: info@hilscher.it

Japan
Hilscher Japan KK
Tokyo, 160-0022
Phone: +81 (0) 3-5362-0521
E-Mail: info@hilscher.jp

Switzerland
Hilscher Swiss GmbH
4500 Solothurn
Phone: +41 (0) 32 623 6633
E-Mail: info@hilscher.ch

Hilscher Swiss GmbH
Branch Office East Switzerland
Embedded Systems
9444 Diepoldsau
Phone: +41 (0) 71 737 7575
E-Mail: info@hilscher.ch

USA
Hilscher North America, Inc.
Lisle, IL 60532
Phone: +1 630-505-5301
E-Mail: info@hilscher.us

Distributors

Australia
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