

# netTAP 100

High-End-Gateway für industrielle Automatisierungsnetzwerke

- 💡 **Für Feldbus zu Feldbus, zu Seriell oder Ethernet-Umsetzungen**
- 💡 **Kombiniert Master und Slave in jeder Variation**
- 💡 **Ladbare Firmware für flexible Nutzung weiterer Konvertierungen**
- 💡 **Gerätetausch in Sekunden per Ladevorgang über Speicherkarte**



CANopen

CC-Link

DeviceNet

EtherCAT

EtherNet/IP

Modbus

ETHERNET  
POWERLINK

SERCOS  
the automation bus

PROFI  
NET

PROFI  
BUS

## E/A-Protokoll-Gateway für anspruchsvolle Konvertierungen

netTAP 100 ist der Protokollumsetzer für anspruchsvolle Konvertierungen und beherrscht neben serieller/ Feldbus zu 2-Port Real-Time-Ethernet-Umsetzung auch die Feldbus-zu-Feldbus-Konvertierung. Er unterstützt Slave- und Master-Funktionalität in beliebiger Kombination. Die Funktion als Master ist uneingeschränkt und benötigt eine Masterlizenz.

Ein Speicherkartensteckplatz dient zur Sicherung der Firmware und Konfiguration auf einem Speicherkartenmedium. In Sekunden ist im Fehlerfall ein Ersatzgerät durch Umstecken der Karte betriebsbereit.

Neben den Standardprotokollen unterstützt netTAP 100 die Programmierung eigener serieller Protokolle per Lua-basierter Skriptsprache netSCRIPT. Die netSCRIPT-Entwicklungsumgebung ist im Lieferumfang enthalten. Sie ermöglicht die komfortable und schnelle Implementierung eines jeden proprietären seriellen Protokolls einschließlich der Möglichkeit zur Vor- und Weiterverarbeitung der Daten bei der Konvertierung in das sekundäre E/A-Protokoll.

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# PRODUKTINFORMATION

## TECHNISCHE DATEN

### Technische Daten

#### Betriebstemperatur

±0 ... +60 °C

#### Spannungsversorgung

+18 ... +30 V / 130 mA @ +24 V

#### Maße (L x B x H)

100 x 52 x 70 mm (ohne Steckverbinder)

#### Gewicht

150 g

#### Diagnoseschnittstelle

Mini-USB

#### Anzeige

SYS, COM, LINK, Rx/Tx, protokollspezifisch

#### Konfiguration

SYCON.net, Windows® 7 oder höher

#### Steckverbinder

Mini-COMBICON 2-pin

#### Montage

auf Hutschiene, DIN EN 60715

#### Zertifizierung

CE-Zeichen, UL 508

#### Emission | Störfestigkeit

CISPR 11 Class A | EN 61131-2:2003

### Maximale zyklische Prozessdaten

	Master	Slave	
ASCII	2024		Bytes E/A-Daten
CANopen	7168	1024	Bytes E/A-Daten
CC-Link		736	Bytes E/A-Daten
DeviceNet	7168	510	Bytes E/A-Daten
EtherCAT	11472	400	Bytes E/A-Daten
EtherNet/IP	11472	1008	Bytes E/A-Daten
Modbus RTU	11520	11520	Bytes E/A-Daten
Modbus TCP	11520	11520	Bytes E/A-Daten
netSCRIPT	2048		Bytes E/A-Daten
POWERLINK		2980	Bytes E/A-Daten
PROFIBUS	11472	488	Bytes E/A-Daten
PROFINET	11472	2048	Bytes E/A-Daten
Sercos	11472	256	Bytes E/A-Daten

Die maximal konvertierbare E/A-Datenmenge einer Protokollkombination bestimmt das Protokoll mit der kleineren zyklischen Prozessdatenmenge.

**Hinweis:** Änderung von technischen Daten vorbehalten.

### Artikelübersicht

#### NXLIC-MASTER

8211.000 | Masterlizenz

#### SD-CARD

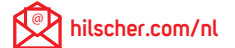
1719.003 | SD-Karte

NT 100-	CANopen		CC-Link		DeviceNet		PROFIBUS		PROFINET		EtherCAT Sercos		EtherNet/IP		Modbus TCP		POWERLINK		Modbus RTU		ASCII netSCRIPT	
	Master*	Slave	/	Slave	Master*	Slave	Master*	Slave	Master*	Slave	Master*	Slave	Master*	Slave	Master*	Slave	Master*	Slave	Master	Slave	/	
CANopen	Master*	/	CO-CO	/	CO-CC	/	DN-CO	/	DP-CO	/	RE-CO	/	RE-CO	/	RE-CO	RE-CO	RE-CO	/	RE-CO	CO-RS	CO-RS	CO-RS
	Slave	CO-CO	CO-CO	/	CO-CC	DN-CO	DN-CO	DP-CO	DP-CO	RE-CO	RE-CO	RE-CO	RE-CO	RE-CO	RE-CO	RE-CO	RE-CO	/	RE-CO	CO-RS	CO-RS	CO-RS
CC-Link	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Slave	CO-CC	CO-CC	/	/	DN-CC	DN-CC	DP-CC	DP-CC	RE-CC	RE-CC	RE-CC	RE-CC	RE-CC	RE-CC	RE-CC	RE-CC	/	RE-CC	/	/	/
DeviceNet	Master*	/	CO-DN	/	DN-CC	/	DN-DN	/	DN-DP	/	RE-DN	/	RE-DN	/	RE-DN	RE-DN	RE-DN	/	RE-DN	DN-RS	DN-RS	DN-RS
	Slave	CO-DN	CO-DN	/	DN-CC	DN-DN	DN-DN	DN-DP	DN-DP	RE-DN	RE-DN	RE-DN	RE-DN	RE-DN	RE-DN	RE-DN	RE-DN	/	RE-DN	DN-RS	DN-RS	DN-RS
PROFIBUS	Master*	/	CO-DP	/	DP-CC	/	DN-DP	/	DP-DP	/	RE-DP	/	RE-DP	/	RE-DP	RE-DP	RE-DP	/	RE-DP	DP-RS	DP-RS	DP-RS
	Slave	CO-DP	CO-DP	/	DP-CC	DN-DP	DN-DP	DP-DP	DP-DP	RE-DP	RE-DP	RE-DP	RE-DP	RE-DP	RE-DP	RE-DP	RE-DP	/	RE-DP	DP-RS	DP-RS	DP-RS
PROFINET	Master*	/	RE-CO	/	RE-CC	/	RE-DN	/	RE-DP	/	/	/	/	/	RE-EN	RE-EN	RE-EN	/	RE-EN	RE-RS	RE-RS	RE-RS
	Slave	RE-CO	RE-CO	/	RE-CC	RE-DN	RE-DN	RE-DP	RE-DP	/	/	/	/	RE-EN	RE-EN	RE-EN	RE-EN	/	RE-EN	RE-RS	RE-RS	RE-RS
EtherCAT Sercos	Master*	/	RE-CO	/	RE-CC	/	RE-DN	/	RE-DP	/	/	/	/	/	RE-EN	RE-EN	RE-EN	/	RE-EN	RE-RS	RE-RS	RE-RS
	Slave	RE-CO	RE-CO	/	RE-CC	RE-DN	RE-DN	RE-DP	RE-DP	/	/	/	/	RE-EN	RE-EN	RE-EN	RE-EN	/	RE-EN	RE-RS	RE-RS	RE-RS
EtherNet/IP	Master*	/	RE-CO	/	RE-CC	/	RE-DN	/	RE-DP	/	RE-EN	/	RE-EN	/	RE-EN	RE-EN	RE-EN	/	RE-EN	RE-RS	RE-RS	RE-RS
	Slave	RE-CO	RE-CO	/	RE-CC	RE-DN	RE-DN	RE-DP	RE-DP	RE-EN	RE-EN	RE-EN	RE-EN	RE-EN	RE-EN	RE-EN	RE-EN	/	RE-EN	RE-RS	RE-RS	RE-RS
Modbus TCP	Master	RE-CO	RE-CO	/	RE-CC	RE-DN	RE-DN	RE-DP	RE-DP	RE-EN	RE-EN	RE-EN	RE-EN	RE-EN	RE-EN	RE-EN	RE-EN	/	RE-EN	RE-RS	RE-RS	RE-RS
	Slave	RE-CO	RE-CO	/	RE-CC	RE-DN	RE-DN	RE-DP	RE-DP	RE-EN	RE-EN	RE-EN	RE-EN	RE-EN	RE-EN	RE-EN	RE-EN	/	RE-EN	RE-RS	RE-RS	RE-RS
POWERLINK	Master*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Slave	RE-CO	RE-CO	/	RE-CC	RE-DN	RE-DN	RE-DP	RE-DP	/	/	/	/	RE-EN	RE-EN	RE-EN	/	/	RE-RS	RE-RS	RE-RS	
Modbus RTU	Master	CO-RS	CO-RS	/	/	DN-RS	DN-RS	DP-RS	DP-RS	RE-RS	RE-RS	RE-RS	RE-RS	RE-RS	RE-RS	RE-RS	RE-RS	/	RE-RS	/	/	/
	Slave	CO-RS	CO-RS	/	/	DN-RS	DN-RS	DP-RS	DP-RS	RE-RS	RE-RS	RE-RS	RE-RS	RE-RS	RE-RS	RE-RS	RE-RS	/	RE-RS	/	/	/
ASCII netSCRIPT	/	CO-RS	CO-RS	/	/	DN-RS	DN-RS	DP-RS	DP-RS	RE-RS	RE-RS	RE-RS	RE-RS	RE-RS	RE-RS	RE-RS	RE-RS	/	RE-RS	/	/	/

Bestellbeispiel: PROFIBUS Master zu EtherNet/IP Slave = NT 100-RE-DP

\* Masterlizenz muss separat bestellt werden (Modbus RTU/TCP ohne Beschränkung)

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