

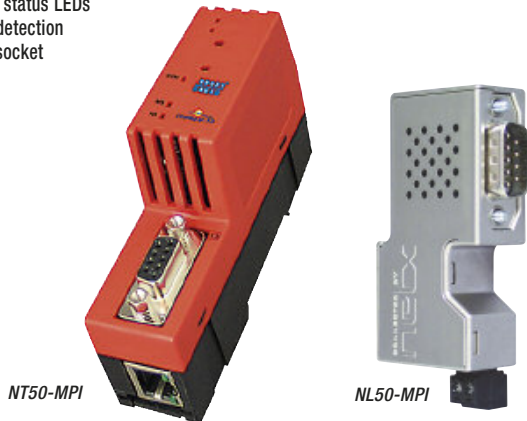
GATEWAYS

NETLINK MPI

The netLINK has a housing shape that fits in the PG sockets of the Siemens S7-300 and S7-400 controls. Ethernet: 10/100MBd with 16 connections. MPI/PROFIBUS-DP (up to 12MBd), DB9-connector, up to 32 MPI-connections. Protocol: IBH-Link for STEP[®]7 and RFC 1006. Power supply: 24VDC or via PG socket. Suitable for the use with STEP[®]7 of SIEMENS.

Highlights

- Parallel MPI communication to 32 controls via 16 TCP/IP connections
- RFC 1006 protocol for connection of visualizing systems
- Ethernet connection with auto crossover and autonegotiation
- Power supply through the PLC MPI-port or alternatively via external 24V
- RJ45 Port with status LEDs
- Autobaudrate detection
- Additional PG socket

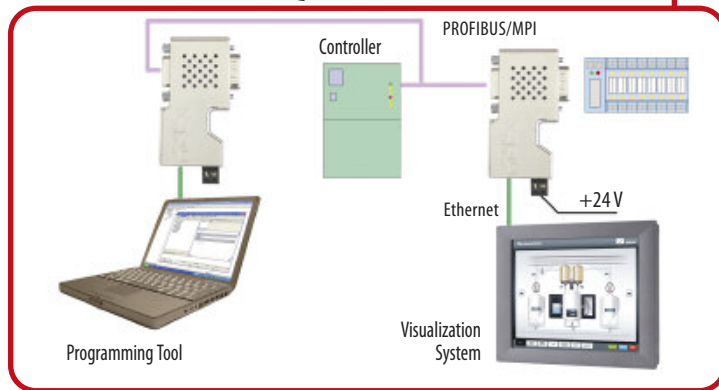
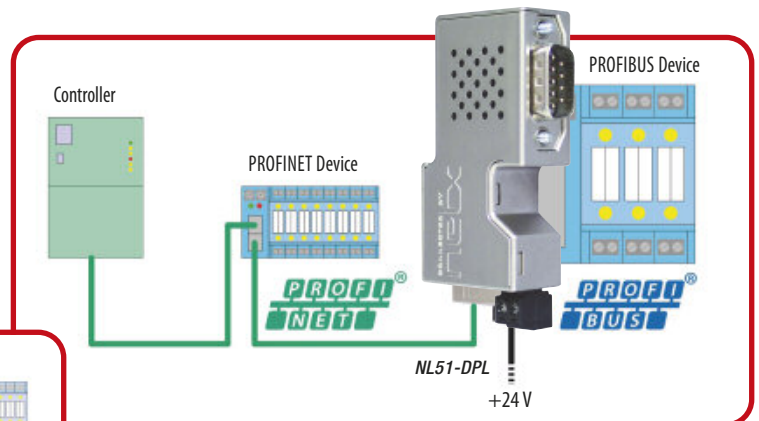


NETLINK PROXY

NetLINK PROXY integrates any PROFIBUS-DP slave in a superordinated PROFINET network. As a connector the device is plugged directly on to the PROFIBUS-DP interface of the DP-Slave and connects to the PROFINET network via the RJ45 socket. On PROFINET side netLINK behaves like an ordinary I/O device. The DP-Slave's process data is mapped in accordance with the present PI-organisation's guideline into the PROFINET slot/subslot addressing model. Commissioning is done via the PROFINET.

Highlights

- Integrates a single DP-Slave into PROFINET network
- For direct mounting on DP interface
- Compatible to any PROFIBUS node
- Automatic GSDML file generation from GSD file for PROFINET import
- Works in accordance with PI-organization's proxy guideline

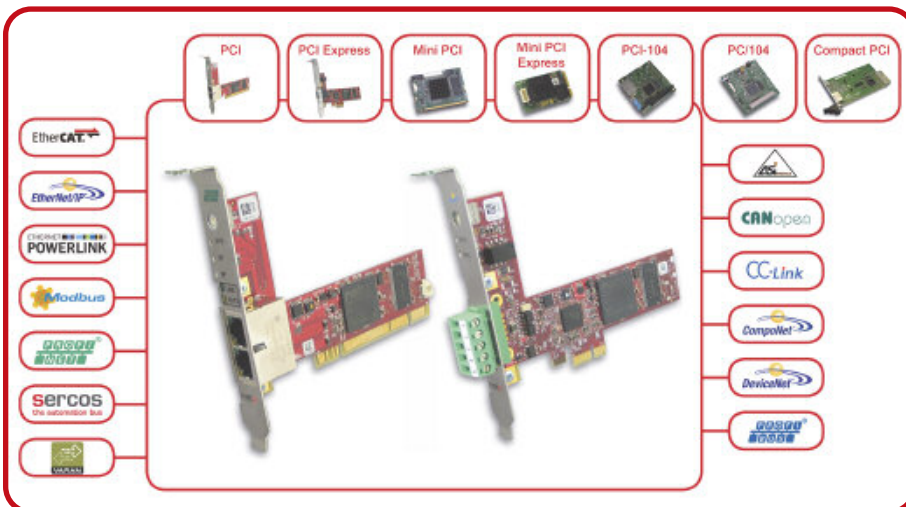


Article	MICRO-CONVERTER Description	PRICE in Euro
NT 50-MPI	Micro-converter Ethernet TCP/IP to S7-MPI/PROFIBUS-DP (up to 12Mbps) in the box of a NetTAP50. Supply: 24VDC. For the use with STEP [®] 7 of SIEMENS.	540,-
NL 50-MPI	Micro-converter Ethernet TCP/IP to S7-MPI/PROFIBUS-DP (up to 12Mbps) in the box of a Profibus-connector. Supply: 24VDC or via PG-Connector. For the use with STEP [®] 7 of SIEMENS.	470,-
NL 51-DPL	Micro converter ProfiNet to PROFIBUS-DP-Link (up to 12MBd) in the box of a Profibus-connector. Power supply: 24VDC	175,-

PC FIELDBUS CARDS

PC CARDS IN ALL FORMATS

With the cifX communication interface, the user will have a unified standard for all Real-Time-Ethernet- and Fieldbus systems on different hardware platforms. The complete protocol stack will be executed on the PC card and data exchange to the host will be done via Dual-Port-Memory or DMA. Hilscher offers the cifX



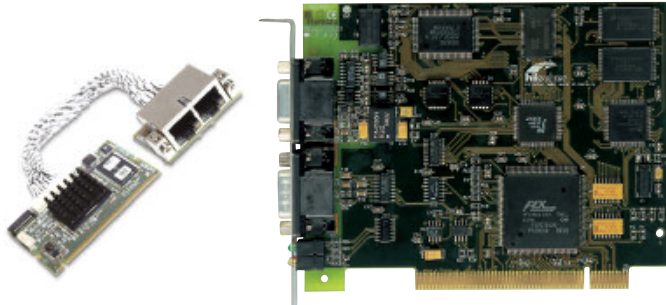
PC communication cards with PCI or PCI Express, Mini PCI or Mini PCI Express, PCI-104, PC/104 or Compact PCI interface. With a rotary switch an easy and reliable slot assignment can be done for the PCI types. A complete software package including a single FDT/DTM based configuration tool for all products and networks, documentation, loadable firmware and driver tool-kit is always in the scope of delivery. Due to the own network controller netX a 10-years delivery is guaranteed.

- For all major network protocols
- Available in all common PC card formats
- Single hardware for all Real-Time-Ethernet protocols
- Minimum logistic and administrative effort through least product variety
- Comprehensive accessories (OPC server & driver for different OS)
- Same software host interface for all protocols
- Quick & Easy change of protocol by loadable firmware

FIELDBUS CARDS

PC Fieldbus Cards

	Article	System Interface	Operating Voltage Operating	Temperature	Dimensions (L x H x W)
TECHNICAL DATA	CIFX 50-XX	PCI, 33 MHz DPM, IO-DMA	3,3 V / typ. 650 mA	-20 ... +55°C	120 x 86 x 18,5mm
	CIFX 50E-XX	PCI Express, One-Lane Port	3,3 V / typ. 800 mA	0 ... +55°C	120 x 73,2 x 18,5mm
	CIFX 104-XX	PC/104, 33 MHz DPM	3,3 V / typ. 650 mA	-20 ... +70°C	97 x 91 x 24mm
	CIFX 104C-XX	PCI 104, 33 MHz DPM	3,3 V / typ. 650 mA	-20 ... +70°C	97 x 91 x 24mm



Article	CIFX REALTIME-ETHERNET UNITS Description	PRICE in Euro
CIFX 50 RE	PCI Communication Interface netX for Real-Time-Ethernet - 2x RJ45	248,-
CIFX 50E-RE	PCI Express Communication Interface netX for Real-Time-Ethernet - 2x RJ45	298,-
CIFX 90-RE/F	PC-Card Mini PCI for Real-Time-Ethernet - 2x RJ45	347,-
CIFX 104-RE	PC/104(ISA) Communication Interface netX for Real-Time-Ethernet - 2x RJ45	318,-
CIFX 104C-RE	PCI-104(PCI) Communication Interface netX for Real-Time-Ethernet - 2x RJ45	318,-
CIFX xxx-xx/ML	NXLIC netX-Master Licence for EtherNet/IP / EtherCAT / PROFINET / SERCOS III	+150,-

The configuration software SYCON.NET is included in the delivery with all CIFX-Interfaces!

Article	CIFX FELDBUS UNITS Description	PRICE in Euro
CIFX 50-DP	PCI Interface netX for PROFIBUS/Slave - SubD Buchse 9-pol.	298,-
CIFX 50-CO	PCI Interface netX for CANopen/Slave - SubD Stecker 9-pol.	298,-
CIFX 50-DN	PCI Interface netX for DeviceNet/Slave - COMBICON 5-pol.	298,-
CIFX 50-2ASM	PCI Interface netX for 2x AS-Interface Master - 2x COMBICON 2-pol.	586,-
CIFX 50E-DP	PCI Express Interface netX for PROFIBUS/Slave - SubD Buchse 9-pol.	348,-
CIFX 50E-CO	PCI Express Interface netX for CANopen/Slave - SubD Stecker 9-pol.	348,-
CIFX 50E-DN	PCI Express Interface netX for DeviceNet/Slave - COMBICON 5-pol.	348,-
CIFX 50E-2ASM	PCI Express Interf.netX for 2x AS-Interface Master - 2x COMBICON 2 pol.	636,-
CIFX 50-2DP	PCI Interface netX for 2x PROFIBUS/Slave - 2x SubD Buchse 9-pol.	423,-
CIFX 90-DP/F	PC-Karte Mini PCI für PROFIBUS DP	347,-
CIFX 104-DP	PC/104(ISA) Interface netX for PROFIBUS/Slave - SubD Buchse 9-pol.	368,-
CIFX 104-CO	PC/104(ISA) Interface netX for CANopen/Slave - SubD Stecker 9-pol.	368,-
CIFX 104-DN	PC/104(ISA) Interface netX for DeviceNet/Slave - COMBICON 5-pol.	368,-
CIFX 104C-DP	PCI-104(PCI) Interface netX for PROFIBUS/Slave - SubD Buchse 9-pol.	368,-
CIFX 104C-CO	PCI-104(PCI) Interface netX for CANopen/Slave - SubD Stecker 9-pol.	368,-
CIFX 104C-DN	PCI-104(PCI) Interface netX for DeviceNet/Slave - COMBICON 5-pol.	368,-
CIFX xxx-xx/ML	NXLIC netX-Master Licence for PROFIBUS, CANopen, DeviceNet	+150,-

PROFIBUS	Slave	Master
Slave max.		125
Cyclic Data max.	488 Bytes	7168, 255 Bytes
DPV1 Class 1, 2	yes	yes
Configuration Data	244 Bytes	244 Bytes/Slave
Appl. specific Parameter	237 Bytes	237 Bytes/Slave

AS-Interface	Master
Slaves max.	62
Cyclic Data max.	Digital Analog
Ayclic Data	62 Byte (4Bit/Byte)
Functions	31 Slaves x 4x16Bit
Version	220 Bytes/Request Transactionstypes 1-5, Profil for ext. Master: M4
	3.0

PROFINET	IO Device	Controller
IO Devices max.		128
Cyclic Data max.	2048 Bytes (IOCR)	11472 Bytes
Acyclic Data	Read/Write Record, max 1024 Bytes/Telegram	Read/Write Record, max. 4096 Bytes/Request
Functions	Alarmtreatment, DCP Class 1&2 (unsynchronisiert) Class 3 (synchronised) Context Management by CLRPC	minimum cycle time 1 ms Alarmtreatment
	Diagnostic, max. 200 Bytes/Telegram target-actual comparison configuration for max. 244 Module, 1 Submodul	DCP Context Management through CLRPC per Device one buffer for diagnostic data available
Topologydetection	LLDP, SNMP V1, MIB 2, Physik. Device	

Powerlink	Controlled Node/Slave
Cyclic Data	max. 2980 Bytes
Acyclic Data	SDO Up-/Download
Functions	SDO via ASND and UDP, Poll Request/Response Response Time 1µs, Version V2

CANopen	Nodes	Master
Nodes max.		126
Cyclic Data max.	1024 Bytes	7168 Bytes
SDO Up- a. Download		max. 200Bytes/Request
Emergency	Producer	Consumer/Producer
Functions	Node-/Life Guard., Heartbeat, PDO Mapping, NMT Magagement, SYNC, Emergency	
PDO Communication	synchronized, remotely request and event driven (change of state)	
	max. 64 Rx/TxPDO	max. 512 Rx/TxPDO
CAN	11 Bit	11 Bit

EtherCAT	Slave	Master
Slaves max	200	
Cyclic Data max.	512 Bytes	11520 Bytes
Acyclic Data	SDO Master/Slave SDO Slave/Slave	CoE (CANopen over EtherCAT) Up-/Download, max. 1500 Bytes
Functions	COE Emergency, Complex Slave 3 FMMUs and 4 SYNC-Manager Distributed Clocks	Get OD List Emergency, Topology: Line

PROTOCOL CONVERTER / PC-CARDS

Ethernet/Serial, USB/Serial, Accessories

Ethernet-Serial converters allow an easy decentralised construction of serial connections. Changes of existing software are not necessary. The provided drivers generate virtual COM ports in every operating system which behave like real COM interfaces. The serial data stream will transmit bidirectional and with every handshake line via TCP/IP in the standard Ethernet.

Technical data

Serial Device server, 9.6-460kBd, 10/100Mbps Ethernet RJ45, incl. driver CD.

Driver Modes: Port COM Mapping, zero modem tunnel, TCP RAW mode, server/client, UDP.

Protocols: TCP/IP, UDP, Telnet, DHCP, ICMP, HTTP, DNA, SNMP v1/2c/3-rd.

Configuration: Driver control panel, web browser, Telnet, SNMP.



Order No.:	SERIAL DEVICE SERVER Technical data	PRICE in Euro
VS NETCOM Plus 111	1x RS232 DB9 to TCP/IP	159,-
VS NETCOM Plus 811	8x RS232 DB9 to TCP/IP	630,-
VS NETCOM Plus 813	8x RS232/422/485 DB9 to TCP/IP	690,-
VS NETCOM Plus 1613	16x RS232/422/485 DB9 to TCP/IP	990,-

CONVERTER USB-SERIAL

USB-Serialconverters allow furthermore the use of devices with serial interface, even if the PC owns none or not enough COM interfaces. A virtual COM port which can be used by consisting programs without update is generated by the provided driver. The converters contain 128 bytes FIFOs and can be set to any transfer speeds up to 921.600Bps.

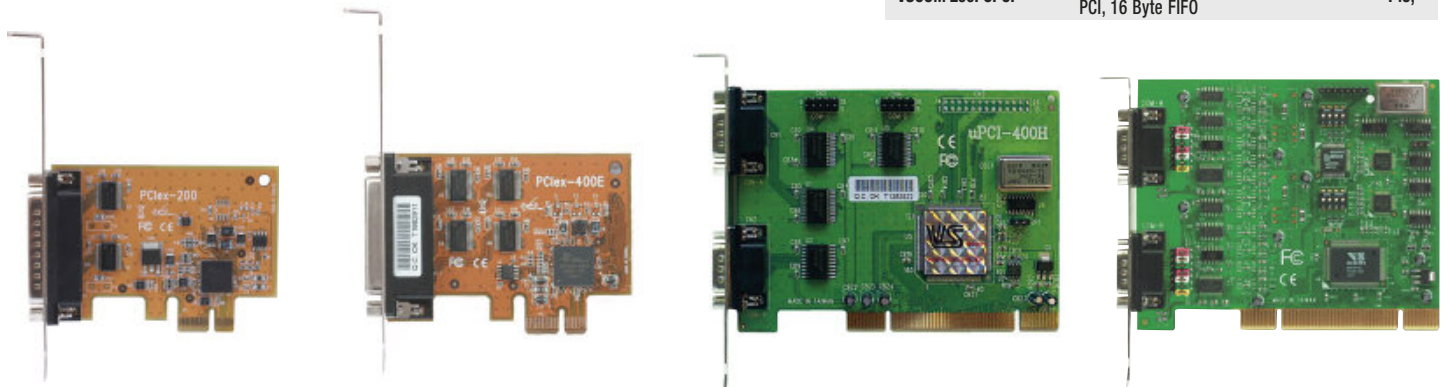


Order No.:	USB-SERVERCONVERTER Technical data	PRICE in Euro
VSCOM USB-COM-mini	1x RS232 DB9 integrated in the connector	37,-
VSCOM USB-COM-plus	2.0, 1x RS232/422/485, DB9, metal casing	94,-
ZUBEHÖR		
DK-NCP	DIN-Rail mounting kit	8,-
WK-NCP	Wallmount kit	8,-
NETZTEIL	Power adaptor 12 V / 1,5 A	19,-



SERIAL INTERFACE PC-CARDS

Serial High speed-interface units with 2 or 4 COM ports, 16 or 128 bytes FIFO and in wide range adjustable transfer speed are the most cost-efficient solution to install further COM boards in PC systems. The cards fulfill the UPCI specification and can be operated on all current boards. As a variation, low profile cards with lower dimensions are available.



Order No.:	SERIAL INTERFACE Technical data	PRICE in Euro
VSCOM 200E PClex	2x RS232 DB9, 16C950, 921kBd, PCI-Express, 128 Byte FIFO	70,-
VSCOM 400E PClex	4x RS232 DB9, 16C950, 921kBd, PCI-Express, 128 Byte FIFO	142,-
VSCOM 400H UPCI	4x RS232 DB9, 16C950, 921kBd, PCI, 128 Byte FIFO	132,-
VSCOM 200I UPCI	4x RS232/422/485 DB9, 16C950, 921kBd, PCI, 16 Byte FIFO	145,-

Other constructions on request!