

Ethernet Protocol Converter

echochange connects Ethernet worlds

More and more Ethernet is being used in industry. Several protocols based on Ethernet are available: ISO (H1), ISO on TCP (RFC1006) or EtherNet/IP. Although these protocols are similar, communication between the corresponding networks is not that simple. echochange provides the solution: This produces "relationships" between plants that were previously incompatible.



Ethernet protocol converter echochange

Special Features

- Connects different controller worlds
 - Siemens (S7, S5)
 - Rockwell Automation (Allen-Bradley)
 - Schneider Electric (Modicon)
- Separated Ethernet networks are connected via specific parameterized connections
- Connection of TCP/IP computers with ISO (H1) networks
- Remote maintenance of PLCs in an ISO (H1) network via TCP/IP
- Gateway between separated networks (protocols run at different media)
- Converter in a heterogeneous network (protocols run at the same media)
- Easy parameterization: Online via IP or ISO (H1), serial or offline for later transfer

Technical Data

Ethernet Interfaces

- 2 x TP (RJ45), 10/100 Mbps

Transport Protocols

- TCP/IP
- TCP/IP with RFC1006 (ISO on TCP)
- TCP/IP with PLC Header
- ISO (H1)

Application Protocols

- Send / Receive (raw data / socket)
- Modbus on TCP
- optional:
 - EtherNet/IP (Allen-Bradley)
 - AB Ethernet (SLC 500, PLC-5)

Serial Interface

- 1 x RS232, for serial parameterization

Active Connections

- 10 (upgradeable to 30)

Power Supply

- 24 V DC, ca. 0,8A

Dimensions [in mm]

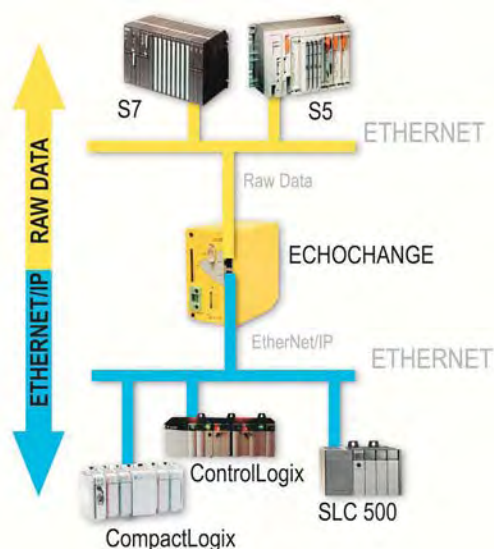
- 76 x 120 x 120



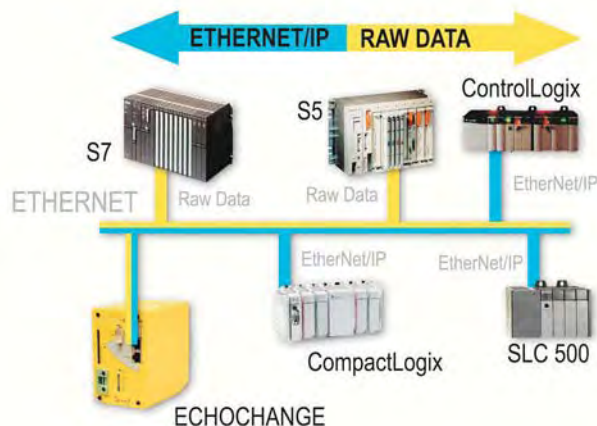
Examples of Use

1. Conversion of application protocols: Raw Data <-> EtherNet/IP

TWO SEPARATED NETWORKS

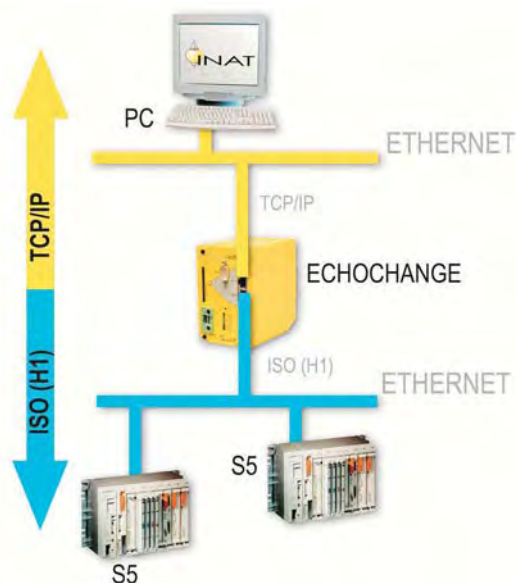


ONE HETEROGENEOUS NETWORK

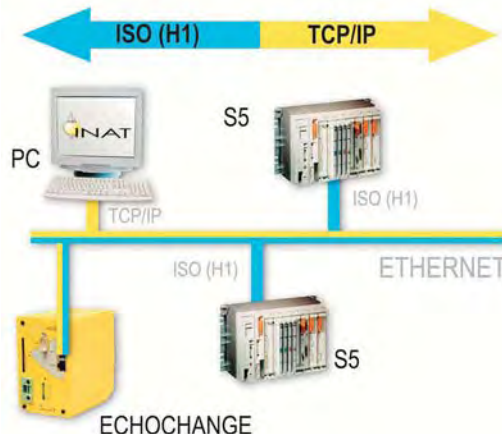


2. Conversion of transport protocols: TCP/IP <-> ISO (H1)

TWO SEPARATED NETWORKS



ONE HETEROGENEOUS NETWORK



Order numbers

echochange, Ethernet Gateway

Product:	Order number:	Price:
echochange (10 con.)	200-6000-01	€ 1.994,-
echochange (30 con.)	200-6000-30	€ 3.994,-
Upgrade 10 30 con.	200-6000-Upg	€ 2.000,-
AB protocols	200-6100-01	€ 206,-
connector power pack	700-5596-01	€ 50,-