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)
- optional: EtherNet/IP (Allen-Bradley)

Serial Interface
- 1 x RS232, for serial parameterization

Active Connections
- Maximum 10

Power Supply
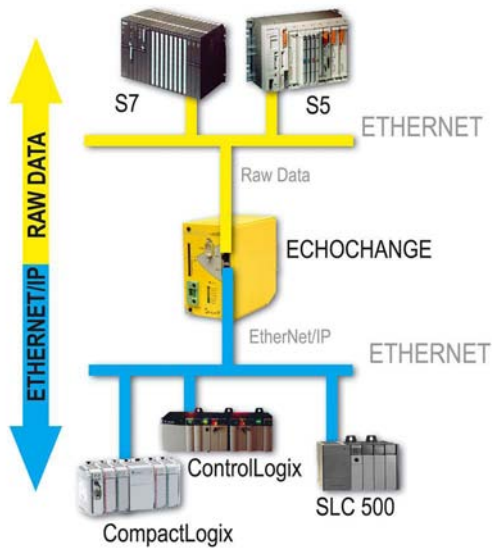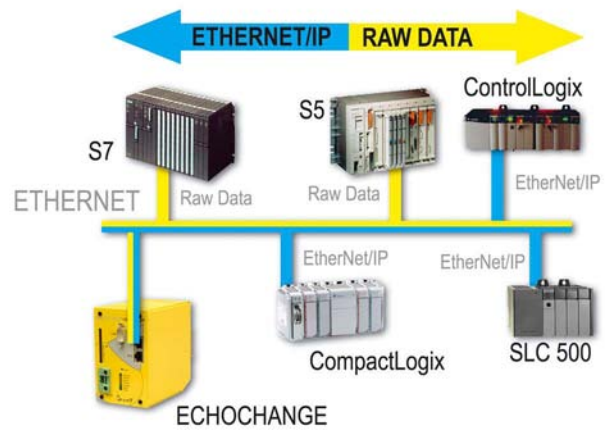- 18...36 V DC, ca. 0,8A

Dimensions [in mm]
- 76 x 120 x 120

INAT

Examples of Use

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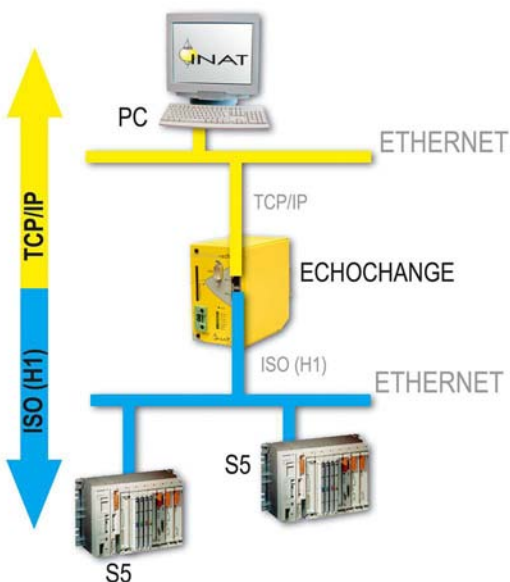
TWO SEPARATED NETWORKS
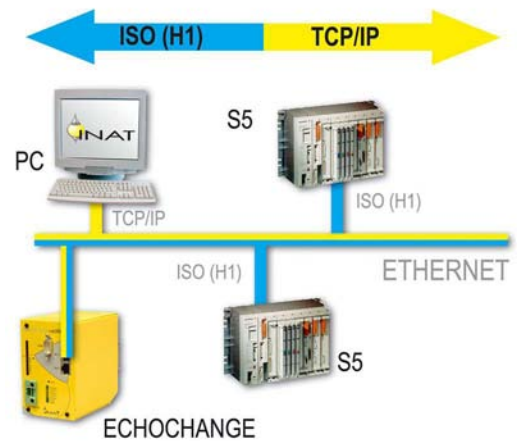

ONE HETEROGENEOUS NETWORK

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

TWO SEPARATED NETWORKS

ONE HETEROGENEOUS NETWORK

Order numbers

echochange, Ethernet Gateway,
including top hat rail adapter

Product:	Order number:
echochange	200-6000-01
EtherNet/IP Protocol	200-6100-01
connector power pack	
model Euro	700-5596-01