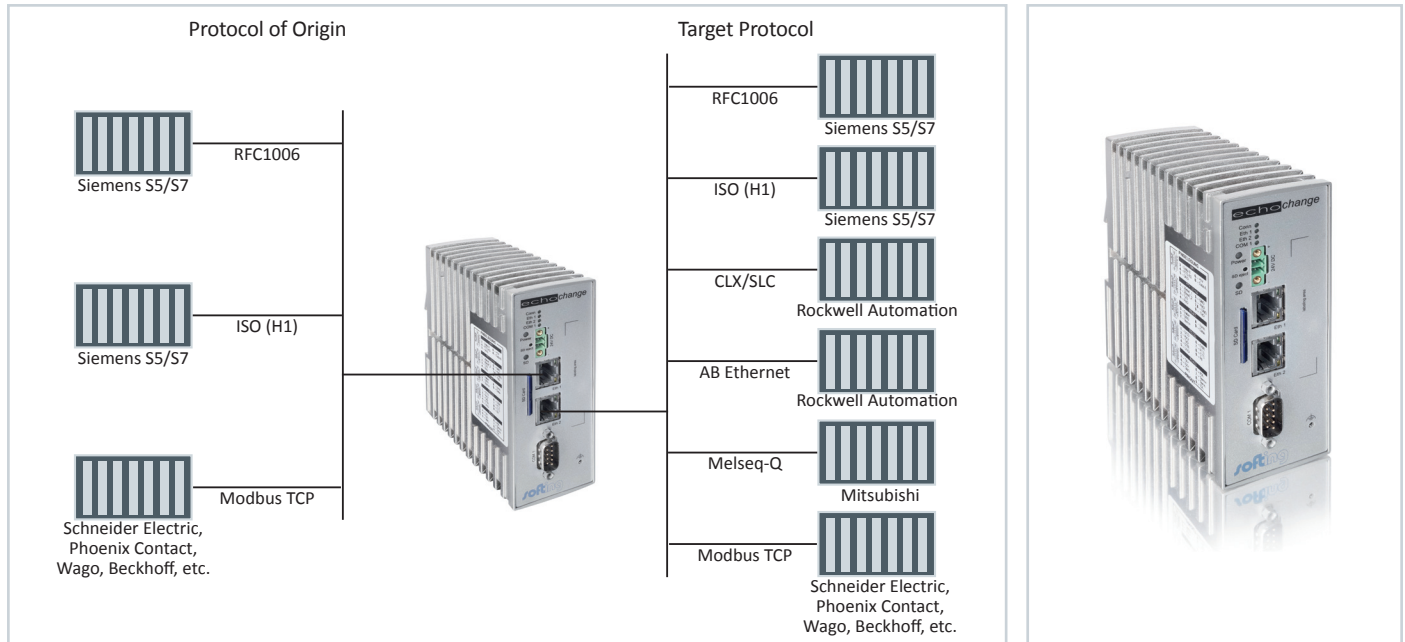


echochange

Ethernet Gateway for the Connection of Different Controllers

The echochange protocol converter supports Ethernet TCP/IP protocols of such leading manufacturers as Siemens, Schneider Electric and Rockwell Automation. This simple protocol conversion makes communication between automation systems of different manufacturers quick and easy.



Protocol Conversion for Data Exchange between Multi-Vendor Automation Systems

- Integration of robust control technology without having to adjust control software
- Combination of separate networks with different media via configured connections
- Connection of physically separate networks with different media or heterogeneous networks with identical medium
- Connection of data from different control systems via allocation tables
- Bi-directional conversion and writing of PLC data via configured connections
- Analysis of device functionality and extensive Ethernet diagnostics

Support of Multiple Industrial Standard Protocols

- Support of TCP, UDP, IP, ISO (H1), ISO on TCP (RFC1006), PLC Header, EtherNet/IP Ethernet protocols
- Linking of computers with TCP/IP to ISO (H1) networks
- Remote maintenance of ISO (H1) networked controllers via TCP/IP
- Routing support for controllers

Investment Protection and IT Maintenance Cost Reduction

- Standard component for extending functionality without modifying existing systems
- Very easy configuration through straight-forward project import without requiring control modifications and programming skills
- Remote configuration and diagnosis via remote maintenance if required
- No need for additional PC with software updates and additional administration
- Working for years once configured – untouched, without updates, and with zero maintenance costs
- Supporting plug-and-go replacement if required based on configuration data stored on SD card

Technical Data

Ethernet Addressable Controllers	Siemens S7 and S5, Rockwell Automation ControlLogix, CompactLogix, PLC-5 and SLC-500, Modbus TCP controllers (e.g. Schneider Electric, Phoenix, Contact Wago, Beckhoff), Mitsubishi (Melsec-Q), etc.
Ethernet Protocols	TCP/IP, RFC1006 (ISO on TCP), ISO (H1), EtherNet/IP, AB Ethernet, S5, S7, CLX, SLC, Send/Receive (raw data / socket), TCP/IP with PLC header, Modbus TCP, Melsec-Q, DLMS, DCU
Protocol Conversion	RFC1006 to ISO(H1), CLX/SLC, AB Ethernet, Melsec-Q, Modbus TCP ISO (H1) to RFC1006, ISO(H1), CLX/SLC, AB Ethernet, Melsec-Q, Modbus TCP Modbus TCP to RFC1006, CLX/SLC, AB Ethernet, Melsec-Q
Ethernet Interfaces	2 x TP (RJ45), 10/100 MBit/s
Power Supply	24 VDC, ca. 0,3 A
Ambient Conditions	Operating temperature: 0 °C ... 55 °C, storage temperature: -20 °C ... 70 °C
Dimensions (HxWxL)	131 mm x 47 mm x 111 mm
Weight	ca. 0,4 kg
Mounting	35 mm DIN rail
Protection Class	IP20
Certifications	CE, FCC, VCCI

Scope of Delivery

Hardware	Protocol converter echochange, SD Card 2 GB, connector for power supply*
Software	Configuration software NetCon on CD-ROM
Documentation	Quick Start leaflet, integrated help , product manual on CD-ROM

* A plug-in powerpack is not included. If necessary, please order this separately.

Order Numbers

GPL-YY-142101	echochange, maximum 10 connections (Connectors: 2 x Ethernet)
LRA-YY-142001	Upgrade echochange: maximum 30 connections

Additional Products and Services

700-5596-04	AC Adapter, 24 VDC, Euro, UK, or USA
120-1010-05	Telephone support: application consulting, fees charged on a time and materials basis
110-1000-01	Training "Industrial Ethernet: Troubleshooting in Automation Plants", 3 days

optimize!
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