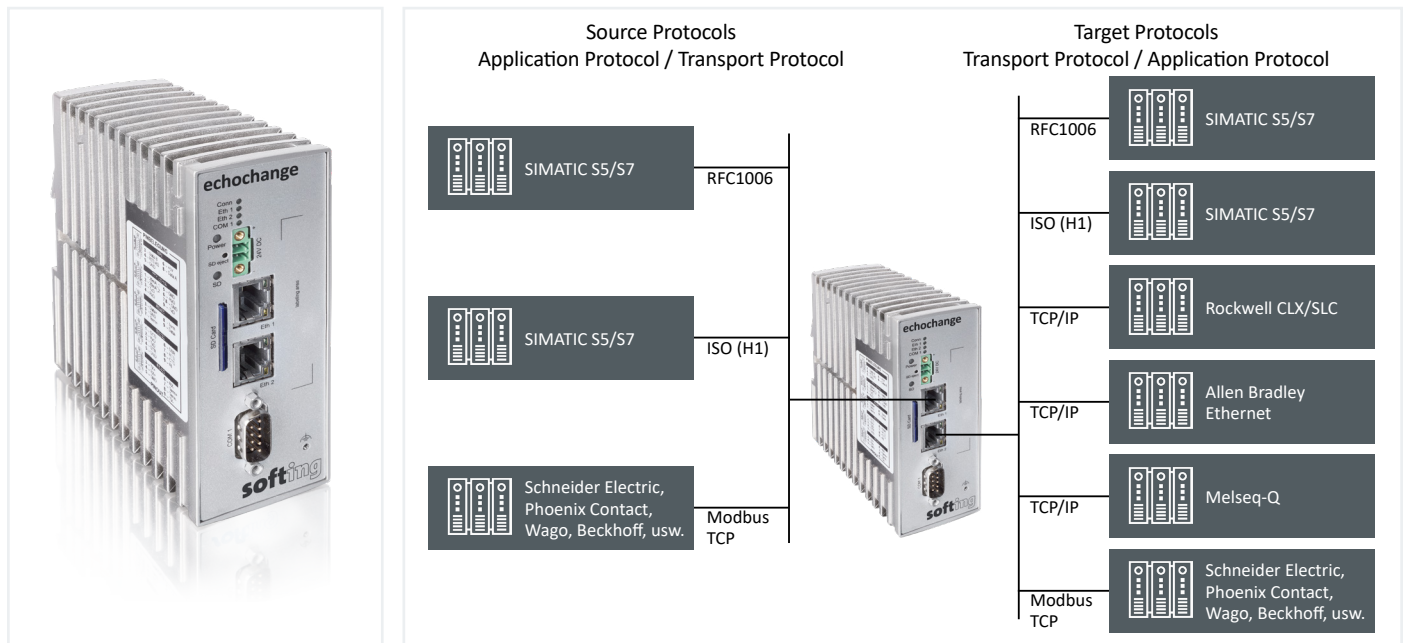


echochange

Protocol Converter for Data Exchange Between Different Controllers

- Connection of Different Ethernet Devices Via Configured Connections
- Connection of Physically Separated Ethernet Networks (ISO(H1)/TCP-IP)
- Linkage of PLC Variables from Different Manufacturers Via Mapping Tables



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 SIMATIC S7 and SIMATIC 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
Transport Layer Protocol Conversion	TCP/IP to TCP/IP, ISO (H1), RFC1006 H1 to TCP/IP, ISO (H1), RFC1006 RFC1006 to TCP/IP, ISO (H1), RFC1006
Supported Bus Systems	S7 to S5, S7, EtherNet/IP, CLX/SLC, SLC/PLC5, Modbus, AB Ethernet, Send/Receive (raw data/socket), Melsec Q S5 to S5, S7, EtherNet/IP, CLX/SLC, SLC/PLC5, Modbus, AB Ethernet, Send/Receive (raw data/socket), Melsec Q Modbus to S5, S7, EtherNet/IP, CLX/SLC, SLC/PLC5, Modbus, AB Ethernet, Send/Receive (raw data/socket), Melsec Q Raw data to S5, S7, EtherNet/IP, CLX/SLC, SLC/PLC5, Modbus, 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 8 GB, connector for power supply*
Software	Download from the Softing website : Configuration software NetCon
Documentation	Quick Start leaflet, integrated help, Download from the Softing website : Product manual

* 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
GPL-CS-191000	echolink S7-compact
110-1000-01	Training "Industrial Ethernet: Troubleshooting in Automation Plants", 3 days

Your local Softing contact:

<https://industrial.softing.com>

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