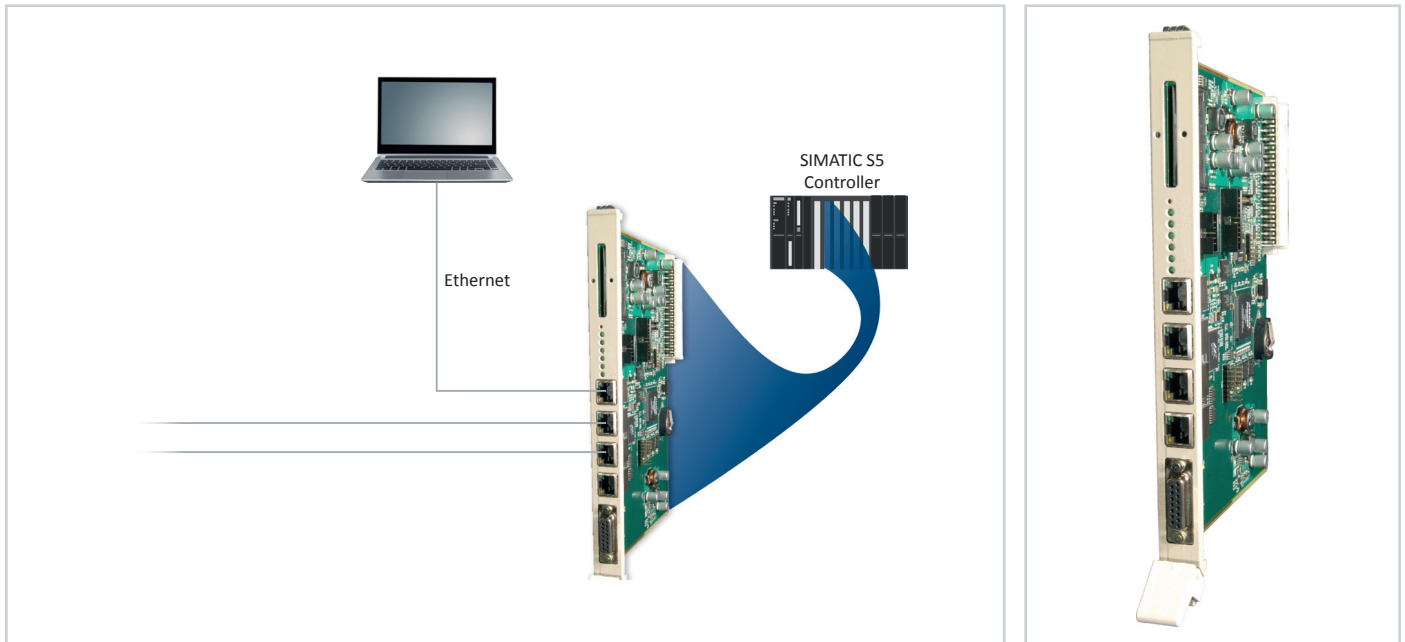


S5-TCP/IP-100

Turbo Ethernet for PLC Oldie SIMATIC S5

S5-TCP/IP-100 is an Ethernet interface for the SIMATIC S5 from Siemens. With its 10 MBit/s and 100 MBit/s, the communication processor offers maximum-speed data transmission rates. It communicates with the SIMATIC S7 and SIMATIC S5 controllers of Siemens as well as with Modbus TCP interfaces from Schneider and Wago, among others.



Communication

- Processing of TCP/IP, ISO on TCP (RFC1006) and Sinec H1 at the same time
- Communication with SIMATIC S5 und SIMATIC S7 controllers via ISO on TCP (RFC1006).
- Communication with controller from Schneider Group, Beckhoff, Wago and others via Modbus TCP
- Transmission of raw data (send/receive communication)
- Chance to acquire and visualize process data via OPC through pre-parameterized standard connections for layer 7 communication
- Connection with PC or programming device either directly via serial interface or indirectly via bus path
- Support of event-controlled data communication via Fetch on Event
- Connection of additional field devices or setup of small local networks through integrated 4-port switch

Security

- High security standard of data transmission due to continuous connection monitoring
- Optional password protection
- Storage of configuration during power failure
- Additional security features on CompactFlash card

Easy-to-Handle Diagnostics

- Single connection diagnosis and overview of all connections
- PLC interface diagnosis
- Separate monitoring of standard connections and Fetch on Event connections
- Network status, number of sent and received telegrams and evaluation of Indicator Word

Technical Data

Supported S5 Controllers	SIMATIC S5-115, SIMATIC S5-135, SIMATIC S5-150, SIMATIC S5-155
PLC Interface	1 x TTY, 15-pole Sub-D socket with slide-locking bolts
4-Port-Ethernet-Switch	RJ45, 10/100MBit/s, half/full-duplex, 10 BaseT/100 BaseTX, Auto-negotiation, link LED and activity LED per port
Supported Protocols	TCP/IP, ISO on TCP (RFC1006), ISO (H1), Modbus TCP, PLC Header, DNS, DHCP, SNMP services in accordance with MIB II, FTP
Types of Jobs	Send Direct, Receive Direct, Fetch Active, Fetch Passive, Write Active, Write Passive, Fetch on Event
Compact Flash Slot	Type I or II (standard), for configuration backup, "Hot Plug" capability
Power Supply	5 VDC via S5 backplane bus, maximum of 3 A
Operating / Storage temperature	0 °C ... +60 °C / -20 °C ... +70 °C
Relative Humidity	Maximum of 95 % at +25 °C
Required Space	1 slot on SIMATIC S5-115, adapter capsule required
Module Format	Double Europa
Configuration Software	NetCon S5 for Windows
Compatibility	Compatible to each other, so that existing parameterization can be taken over directly when a change is made

Scope of Delivery

Hardware	S5-TCP/IP 100, Ethernet interface for SIMATIC S5
Software	Configuration Software NetCon S5
Dokumentation	Gedruckte Schnellreferenz, Handbuch auf CD-ROM

Order Numbers

200-4000-01	S5-TCP/IP 100
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Additional Products and Services

700-1700-01	PLC cable for S5-CP/PLC (short connection cable) for programming the SIMATIC S5 via Ethernet
700-1500-05	EIA-232 / TTY converter cable for serial parameterization
700-2400-02	CompactFlash Card, 128 MB
110-1000-01	Training "Industrial Ethernet – Troubleshooting in Automation", 3 days
100-1030-01	Training "OPC Plug & Play in Automation", 2 days Basics, OPC communication with S5/S7 controllers and OPC Client



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