

Ethernet CP S5-TCP/IP-100

Turbo Ethernet for PLC Oldie

S5-TCP/IP-100 is the high performance Ethernet interface for Simatic* S5 PLCs. With 10 and 100 Mbps the communication processor provides top level data rates. The Ethernet CP communicates with Siemens S7 and S5 PLCs and also with Modbus on TCP devices of Schneider, Wago and others. Send / Receive communications (raw data) is provided as well.

Connect your S5 PLC with other PLCs in the field, visualize process data and operating data via OPC on your PC or program your S5 PLC via TCP/IP or ISO (H1).

Other field devices may be connected to the integrated 4 port switch and small local networks may be designed.

Special Features

Communication

- Can be used with TCP/IP, ISO on TCP (RFC1006), H1 and Modbus on TCP simultaneously and in parallel
- Communication with Siemens S5 and S7 PLCs via ISO on TCP (RFC1006)
- Communication with PLCs of Groupe Schneider, Beckhoff, Wago etc. via Modbus on TCP
- Send/Receive Communication (raw data)
- Pre-configured connections (standard connections) for layer 7 communication (e.g. OPC communication)
- Spontaneous data traffic with Fetch on Event

Security

- Top level security standard of data transfer via permanent monitoring of connection state
- Optional password protection
- Protected configuration in case of failure in power supply
- Additional backup on Memory Card

**S5-TCP/IP-100:
Powerful
Ethernet CP**



Comfortable connection diagnosis

- Single connection diagnosis and overview of all connections
- Page frame diagnosis
- Separate monitoring of standard connections and Fetch on Event connections
- Network state, Number of sent and received frames, analysis of the status word

Programming the S5 PLC

- Online via the network (TCP/IP or H1)

Configuration

- Online via the network (TCP/IP or H1)
- Serial via the PG interface
- Offline for later transfer to the S5 CP

Technical Details

4 Port Ethernet Switch

- RJ45
- 10/100 Mbps
- full duplex / half duplex
- 10-BaseT / 100Base-TX
- Autonegotiation
- Link LED and Activity LED for each port

PG interface

- 1 x TTY
- 15pin D-Sub female
- with locking post

Compact Flash Slot

- Type I or II (standard)
- to save configuration, hot plug capable

Supported Protocols

- TCP/IP
- ISO on TCP (RFC1006)
- ISO (H1)
- Modbus on TCP
- PLC Header
- DNS, DHCP, SNMP services according to MIB II, FTP

Job Types

- Send Direct
- Receive Direct
- Fetch active
- Fetch passive
- Write active
- Write passive
- Fetch on Event

May be used in

- AG-115, AG-135
- AG-150, AG 155

Required space

- 1 slot
- for use in AG-115 adaption casing required

Card format

- Double Europe card

Conditions:

- Temperature:
 - Operating:* 0 to 60°C
 - Storing:* -20 to 70°C
 - Transport:* -20 to 70°C
- Relative humidity: max. 95%

Supply voltage

- DC +5V via S5 backplane

Power input

- max. 3A

Configuration tool

- INATnet Parameterization

Compatibility

- S5-TCP/IP and S5-TCP/IP-100 are compatible. When upgrading, existing configuration files may be used.

Order Data

S5-TCP/IP-100, Ethernet interface for Simatic* S5, inclusive INATnet Parameterization

Product:	Order No.:	Price:
S5-TCP/IP-100	200-4000-01	€ 1.989.-

Accessories

Product:	Order No.:	Price:
PLC cable, CP to CPU	700-1700-01	€ 51.-
RS232 / TTY cable	700-1500-05	€ 87.-
CF Card 64MB	700-2400-01	€ 29.-