

# S5-TCP/IP

## Ethernet interface for Simatic\* S5 PLCs

Now with  
Modbus on TCP!

INAT S5-TCP/IP is the high performance Ethernet interface for S5 PLCs.

Special network cards are unnecessary on the PC side, because the communications processor works with standard TCP/IP.

With the implemented ISO on TCP (RFC1006) protocol, communication with Siemens S5 and S7 PLCs is possible. Moreover, S5-TCP/IP supports the protocol Modbus on TCP to communicate with e.g. decentral I/Os.

### Technical Data

#### Ethernet interfaces

- 1 x TP, RJ45, 10 Mbps
- 1 x AUI, 10 Mbps

#### Serial interfaces

- 1 x AS511, TTY

#### Supported PLCs

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

#### Ethernet Protocols

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

#### Performance

- 120 telegrams / s
- 223 connections TCP/IP, ISO, ISO on TCP, Modbus on TCP or a combination

#### LEDs

- Connection status (Conn, Tx, Rx)
- Data transmission (Data)
- Synchronization (Sync)
- Serial communication (Ser)
- Link LED and Activity LED of TP interface

#### Operating conditions

- Permitted ambient conditions 0-55°C
- Degree of protection IP 20

*S5-TCP/IP:  
High performance  
Ethernet interface*



### Special Features

#### Programming

- Via serial interface or via Ethernet
- With S5 for Windows or with STEP\* 5

#### Parametrization

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

#### Communication

- Can be used with TCP/IP, ISO on TCP, 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 Schneider Electric (Modicon), Beckhoff, Wago etc. via Modbus on TCP
- Standard connections for Layer 7 communications
- Spontaneous data traffic with Fetch on Event

## Special Features

### Security

- Top level security standard of data transfer via permanent monitoring of the connection state
- Optional password protection
- Additional backup on the Memory Card avoids loss of system specific data in the case of module replacement

### Comfortable connection diagnosis

- Single connection diagnosis and overview of all connections
- Network state, Number of sent and received frames as well as analysis of the status word
- Diagnosis for standard connections as well as for Fetch on Event connections

## Accessories

### PLC cable, CP to CPU

- TTY, 15pin D-Sub male  
– 15pin D-Sub male
- Length: 0,6 meters



### RS232 / TTY cable

- For serial parametrization
- RS232, 9pin D-Sub female  
– TTY, 15pin D-Sub male
- Length: 5 meters



### S5 Flash EPROM

- Short, 128 KB
- Functionality of 6ES5374-1KG11



## Order Data

**S5-TCP/IP**, Ethernet interface for Simatic\* S5, inclusive parametrization software and online manual

Product:	Order No:
S5-TCP/IP	200-3000-01

### Accessories

Product:	Order No:
PLC cable, CP to CPU	700-1700-01
RS232 / TTY cable	700-1500-05
S5 Flash EPROM, short	700-2400-128