

Product type designation

CP 443-5 Extended



SIMATIC NET,
CP 443-5 EXTENDED COMMUNICATIONS PROCESSOR
FOR CONNECTING SIMATIC S7-400 TO PROFIBUS,
DP,
S5-COMPATIBLE PG/OP AND S7 COMMUNICATION

Transmission rate

Transfer rate

- at the 1st interface / acc. to PROFIBUS

9.6 kbit/s ... 12 Mbit/s

Interfaces

Number of interfaces / acc. to Industrial Ethernet

0

- at the 1st interface / acc. to PROFIBUS

1

Design of the electrical connection

- at the 1st interface / acc. to PROFIBUS

9-pin Sub-D socket (RS485)

Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage

DC

Supply voltage / 1 / from backplane bus

5 V

Supply voltage

5 V

Relative symmetrical tolerance / for DC

- at 5 V

5 %

Relative positive tolerance / for DC / at 24 V

5 %

Relative negative tolerance / for DC / at 24 V

5 %

Consumed current

- from backplane bus / for DC / at 5 V / typical

1.3 A

Active power loss

6.5 W

Permitted ambient conditions

Ambient temperature	
• during operation	0 ... 60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP20
Design, dimensions and weight	
Module format	Compact module S7-400 single width
Width	25 mm
Height	290 mm
Depth	210 mm
Net weight	0.8 kg
Product properties, functions, components / general	
Number of units	
• per CPU / maximum	14
• Note	depending on CPU type
Performance data / open communication	
Number of possible connections / for open communication / by means of SEND/RECEIVE blocks	
• maximum	16
Amount of data	
• as user data per connection / for open communication / by means of SEND/RECEIVE blocks / maximum	240 byte
Performance data / PROFIBUS DP	
Service / as DP master	
• DPV1	Yes
Number of DP slaves / on DP master / usable	125
Amount of data	
• of the address area of the inputs / as DP master / total	4096 byte
• of the address area of the outputs / as DP master / total	4096 byte
• of the address area of the inputs / per DP slave	244 byte
• of the address area of the outputs / per DP slave	244 byte
Performance data / S7 communication	
Number of possible connections / for S7 communication	
• maximum	48
Performance data / telecontrol	
Protocol / is supported	
• TCP/IP	No
Product functions / management, configuration	
Configuration software	

- required

STEP 7 V5.4 SP4 or higher and NCM S7 for PROFIBUS

Further Information / Internet Links

Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/snst>

<http://www.siemens.com/simatic-net>

<http://www.siemens.com/automation/net/catalog>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<http://support.automation.siemens.com>

letzte Änderung:

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