

Product type designation

CP 443-1

COMMUNICATIONSPROCESSOR CP443-1 FOR CONNECTION OF SIMATIC S7-400 W. IND. ETHERN.,ISO/TCP/IP AND UDP S7 COMM.,FETCH/WRITE, DIAGNOST. EXPANSIONS, SEND/RECEIVE, WITH AND W/O RFC 1006, MULTICAST, NTP, INITIALIZING THROUGH LAN ACCESS PROTECTION USING IP-ACCESS LIST, 10/100 MBIT



Transmission rate

Transfer rate

- at the 1st interface

10 ... 100 Mbit/s

Interfaces

Number of interfaces / acc. to Industrial Ethernet

1

Number of electrical connections

- at the 1st interface / acc. to Industrial Ethernet

1

Type of electrical connection

- at the 1st interface / acc. to Industrial Ethernet
- of Industrial Ethernet interface

RJ45 port / AUI

15 pin Sub-D-socket (10Mbit/s AUI, 10/100 Mbit/s ITP)

design of the removable storage / C-PLUG

No

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 / at DC

- at 5 V

5 %

Consumed current	
<ul style="list-style-type: none"> • from backplane bus / at DC / at 5 V / typical 	1.4 A
Power loss [W]	8.6 W

Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> • during operation 	0 ... 60 °C
<ul style="list-style-type: none"> • during storage 	-40 ... +70 °C
<ul style="list-style-type: none"> • 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	0.7 kg

Product properties, functions, components / general

Number of units	
<ul style="list-style-type: none"> • per CPU / maximum 	14

Performance data / open communication

Number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	64
Amount of data	
<ul style="list-style-type: none"> • as user data per ISO connection / for open communication / by means of SEND/RECEIVE blocks / maximum 	8 Kibyte
<ul style="list-style-type: none"> • as user data per ISO on TCP connection / for open communication / by means of SEND/RECEIVE blocks / maximum 	8 Kibyte
<ul style="list-style-type: none"> • as user data per TCP connection / for open communication / by means of SEND/RECEIVE blocks / maximum 	8 Kibyte
<ul style="list-style-type: none"> • as user data per UDP connection / for open IE communication / by means of SEND/RECEIVE blocks / maximum 	2 Kibyte

Performance data / S7 communication

Number of possible connections / for S7 communication	
<ul style="list-style-type: none"> • maximum 	48

Performance data / multi-protocol mode

Number of active connections / with multi-protocol mode	64
Product function / MIB support	No
Protocol / is supported	No
<ul style="list-style-type: none"> • SNMP v1 • LLDP 	No
Configuration software	STEP 7 V5.1 SP2 or higher
<ul style="list-style-type: none"> • required 	

Product functions / Diagnosis

Product function / Web-based diagnostics	No
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Product functions / switch

Product feature / Switch	No
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Product functions / Redundancy

Product function	No
<ul style="list-style-type: none"> • Ring redundancy 	No

Product functions / Security

Product function	No
<ul style="list-style-type: none"> • password protection for Web applications • ACL - IP-based • ACL - IP-based for PLC/routing • switch-off of non-required services • Blocking of communication via physical ports • log file for unauthorized access 	No

Product functions / Time

Product function / SICLOCK support	Yes
Product function / pass on time synchronization	No
Protocol / is supported	Yes
<ul style="list-style-type: none"> • NTP 	Yes

Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • to website: Industry Mall • 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 https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com

Security information

Security information

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