

Data sheet

6GK7443-1GX11-0XE0

Product type designation

CP 443-1 IT

COMMUNICATIONSPROCESSOR CP443-1 IT FOR CONNECTION OF SIMATIC S7-400 W. IND. ETHERN. ISO/TCP/IP,S7 COMM FETCH/WRITE, DIAG. EXPANSIONS SEND/RECEIVE, WITH AND W/O RFC, MULTICAST, NTP, INITIALIZING THROUGH LAN, FTP CLIENT, WWW, E-MAIL, 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

RJ45 port / AUI

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

Relative symmetrical tolerance / at DC

- at 5 V

5 %

Ambient conditions

Ambient temperature

- during operation
- during storage
- during transport

0 ... 60 °C

-40 ... +70 °C

-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

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
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Performance data / IT functions

Number of possible connections	
<ul style="list-style-type: none"> as client / by means of FTP / maximum 	10
<ul style="list-style-type: none"> as server / by means of FTP / maximum 	2
Number of possible connections	
<ul style="list-style-type: none"> as server / by means of HTTP / maximum 	4
<ul style="list-style-type: none"> as e-mail client / maximum 	1
Amount of data / as user data for email / maximum	2 Kibyte
Storage capacity / of the user memory	
<ul style="list-style-type: none"> as flash memory file system 	30 Miabyte
<ul style="list-style-type: none"> as RAM 	16 Miabyte
<ul style="list-style-type: none"> additionally buffered as RAM via central backup battery 	512 Kibyte
Number of possible write cycles / of the flash memory cells	100000

Product functions / management, configuration

Product function / MIB support	No
Protocol / is supported	
<ul style="list-style-type: none"> SNMP v1 	No
<ul style="list-style-type: none"> LLDP 	No

Configuration software	
<ul style="list-style-type: none"> • required 	NCM S7 for Industrial Ethernet (included in the delivery of STEP 7 V5.x)
Product functions / Diagnosis	
Product function / Web-based diagnostics	Yes
Product functions / Redundancy	
Product function	
<ul style="list-style-type: none"> • Ring redundancy 	No
Product functions / Security	
Product function	
<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 No No No No No
Product functions / Time	
Product function / pass on time synchronization	No
Protocol / is supported	
<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	

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