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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 %

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	0.7 kg

Performance data / open communication

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Number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	64
Amount of data	
• as user data per ISO connection / for open communication / by means of SEND/RECEIVE blocks / maximum	8 Kibyte
• as user data per ISO on TCP connection / for open communication / by means of SEND/RECEIVE blocks / maximum	8 Kibyte
• as user data per TCP connection / for open communication / by means of SEND/RECEIVE blocks / maximum	8 Kibyte
• 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	
• maximum	48
Performance data / multi-protocol mode	
Number of active connections / with multi-protocol mode	64
Performance data / IT functions	
Number of possible connections	
• as client / by means of FTP / maximum	10
• as server / by means of FTP / maximum	2
Number of possible connections	
• as server / by means of HTTP / maximum	4
• as e-mail client / maximum	1
Amount of data / as user data for email / maximum	2 Kibyte
Storage capacity / of the user memory	
• as flash memory file system	30 Mibyte
• as RAM	16 Mibyte
• additionally buffered as RAM via central backup battery	512 Kibyte
Number of possible write cycles / of the flash memory cells	100000
Product function / MIB support	No
Protocol / is supported	
• SNMP v1	No
• LLDP	No
Configuration software	

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• 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	
• Ring redundancy	No

Product functions / Security

Product function	
• password protection for Web applications	No
• ACL - IP-based	No
• ACL - IP-based for PLC/routing	No
• switch-off of non-required services	No
• Blocking of communication via physical ports	No
• log file for unauthorized access	No

Product functions / Time

Product function / pass on time synchronization	No
Protocol / is supported	
• NTP	Yes

Accessories

Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

Security information

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