# **SIEMENS**

# Data sheet

# 6GK7443-1EX30-0XE0

### Product type designation



#### CP 443-1

Communications processor CP 443-1; 2x 10/100 Mbit/s (IE switch); RJ45 ports; ISO; TCP; UDP; PROFINET IO controller; S7 communication; Open communication (SEND/ RECEIVE); S7 routing; IP configuration via DHCP/ Block; IP Access Control List; Time synchronization; extended web diagnostics; Fast Startup; Support for PROFlenergy;

Transfer rate	
Transfer rate	
• at the 1st interface	10 100 Mbit/s
Interfaces	
Number of interfaces / acc. to Industrial Ethernet	2
	2
Number of electrical connections	
• at the 1st interface / acc. to Industrial Ethernet	2
Type of electrical connection	
• at the 1st interface / acc. to Industrial Ethernet	RJ45 port
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 %
Consumed current	
• from backplane bus / at DC / at 5 V / typical	1.4 A

• as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum

1452 byte

#### Performance data / S7 communication

Number of possible connections / for S7 communication

• maximum 128; when using several CPUs

with PG connections / maximum

# Performance data / multi-protocol mode

Number of active connections / with multi-protocol mode

128

2

Performance data / PROFINET communication / as PN IO controller	
Product function / PROFINET IO controller	Yes
Number of PN IO devices / on PROFINET IO controller / usable / total	128
Number of PN IO IRT devices / on PROFINET IO controller / usable	64
Number of external PN IO lines / with PROFINET / per rack	4
Amount of data	
<ul> <li>as user data for input variables / as PROFINET</li> <li>IO controller / maximum</li> </ul>	4 Kibyte
<ul> <li>as user data for input variables / as PROFINET</li> <li>IO controller / maximum</li> </ul>	4 Kibyte
<ul> <li>as user data for input variables per PN IO device / as PROFINET IO controller / maximum</li> </ul>	1433 byte
<ul> <li>as user data for output variables per PN IO device / as PROFINET IO controller / maximum</li> </ul>	1433 byte
<ul> <li>as user data for input variables per PN IO device / for each sub-module as PROFINET IO controller / maximum</li> </ul>	240 byte
<ul> <li>as user data for output variables per PN IO device / for each sub-module as PROFINET IO controller / maximum</li> </ul>	240 byte

Product functions / management, configuration, engineering	9
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Product function / MIB support	Yes
Protocol / is supported	
• SNMP v1	Yes
• DCP	Yes
• LLDP	Yes
Configuration software	
• required	STEP 7 V5.5 SP3 or higher / STEP 7 Professional V12 (TIA Portal) or higher

Product functions / Diagnostics	
Product function / Web-based diagnostics	Yes
Product functions / Switch	
Product feature / Switch	Yes
Product function	
switch-managed	No
• with IRT / PROFINET IO switch	Yes
<ul><li>Configuration with STEP 7</li></ul>	Yes
Product functions / redundancy	
Product function	
<ul><li>Ring redundancy</li></ul>	Yes
<ul> <li>Redundancy manager</li> </ul>	Yes
Protocol / is supported / Media Redundancy Protocol	Yes
(MRP)	
Product functions / Security	
Product function	
<ul> <li>password protection for Web applications</li> </ul>	No
ACL - IP-based	Yes
<ul> <li>ACL - IP-based for PLC/routing</li> </ul>	No
<ul><li>switch-off of non-required services</li></ul>	Yes
<ul> <li>Blocking of communication via physical ports</li> </ul>	Yes
• log file for unauthorized access	No
Product functions / time	
Product function / SICLOCK support	Yes
Product function / pass on time synchronization	Yes
Protocol / is supported	
• NTP	Yes
Further information / Internet-Links	
Internet-Link	
<ul> <li>to website: Selector SIMATIC NET SELECTION TOOL</li> </ul>	http://www.siemens.com/snst
<ul> <li>to website: Industrial communication</li> </ul>	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	

Security information

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