SIEMENS

Data sheet

6GK7443-1EX30-0XE0

Product type designation



CP 443-1

SIMATIC NET CP 443-1 2 X 10/100 MBIT/S (IE SWITCH); RJ 45 PORTS; ISO; TCP; UDP; PROFINET-IO CONTROLLER; S7-COMMUNCATION; OPEN COMMUNICATION (SEND/RE- CEIVE); S7-ROUTING; IP-CONFIGU- RATION VIA DHCP/BLOCK; IP ACCESSS CONTROL LIST; TIME- SYNCHRONISATION; EXTENDED WEB-DIAGNOSIS; FAST STARTUP; PROFIENERGY **SUPPORT**

Transmission rate	
Transfer rate	
• at the 1st interface	10 100 Mbit/s
Interfaces	
Number of interfaces / acc. to Industrial Ethernet	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

Power loss [W]	7.25 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 /	95 %	
during operation / maximum		
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		
• per CPU / maximum	14	
• Note	max. 4 as PN IO ctrl.	
Performance data / open communication		
Number of possible connections / for open	64	
communication / by means of SEND/RECEIVE		
blocks / maximum		
Amount of data		
as user data per ISO connection / for open server isotion / by reserve of SEND/DECEN/E	8 Kibyte	
communication / by means of SEND/RECEIVE blocks / maximum		
as user data per ISO on TCP connection / for	8 Kibyte	
open communication / by means of	Chapte	
SEND/RECEIVE blocks / maximum		
as user data per TCP connection / for open	8 Kibyte	
communication / by means of SEND/RECEIVE		
blocks / maximum		
 as user data per UDP connection / for open IE 	2 Kibyte	
communication / by means of SEND/RECEIVE		
blocks / maximum		
Number of possible connections / for open communication		
• by means of T blocks / maximum	64	
Amount of data		
• as user data per ISO on TCP connection / for	1452 byte	
open communication / by means of T blocks /		
maximum		

Performance data / S7 communication Number of possible connections / for S7 communication 128 • maximum 2 • with PG connections / maximum when using several CPUs Note Performance data / multi-protocol mode 128 Number of active connections / with multi-protocol mode Performance data / PROFINET communication / as PN IO-Controller Product function / PROFINET IO controller Yes Number of PN IO devices / on PROFINET IO 128 controller / usable / total imber of PN IO IRT devices / on PROFINET IO CC N ре

64
4
4 Kibyte
4 Kibyte
1433 byte
1433 byte
240 byte
240 byte

Performance data / telecontrol	
Protocol / is supported	
• TCP/IP	Yes
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 / Diagnosis	
Product function / Web-based diagnostics	Yes
Product functions / switch	
Product feature / Switch	Yes
Product function	
• switch-managed	No
• with IRT / PROFINET IO switch	Yes
Configuration with STEP 7	Yes
Product functions / Redundancy	
Product function	
Ring redundancy	Yes
Redundancy manager	Yes
 Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	Yes
Protocol / is supported / Media Redundancy Protocol (MRP)	Yes
Product functions / Security	
Product function	
 password protection for Web applications 	No
• ACL - IP-based	Yes
 ACL - IP-based for PLC/routing 	No
switch-off of non-required services	Yes
 Blocking of communication via physical ports 	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	
 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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