SIEMENS

Data sheet

6GK7443-1GX30-0XE0

product type designation



CP 443-1 Advanced

Communications processor CP 443-1 Advanced 1x 10/100/1000 Mbps, 4x 10/100 Mbps (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-of-day synchronization; extended web diagnostics; Fast Startup; PROFlenergy support; IP routing; FTP; Web server; email; please note SIOS ID: 109799025

ansfer rate		
transfer rate		
at the 1st interface	10 1000 Mbit/s	
at the 2nd interface	10 100 Mbit/s	
nterfaces		
number of interfaces / according to Industrial Ethernet	5	
number of electrical connections		
 at the 1st interface / according to Industrial Ethernet 	1	
at the 2nd interface / according to Industrial Ethernet	4	
type of electrical connection		
 at the 1st interface / according to Industrial Ethernet 	RJ45 port	
 at the 2nd interface / according to Industrial Ethernet 	RJ45 port	
design of the removable storage		
• C-PLUG	Yes	
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	1.8 A	
power loss [W]	9 W	
mbient 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	
esign, dimensions and weights		
module format	Compact module S7-400 single width	
width	25 mm	
height	290 mm	
depth	210 mm	
net weight	0.7 kg	
roduct features, product functions, product components / ge	neral	

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each sub-module as PROFINET IO controller / maximum product functions / management, configuration, engineering product function / MIB support protocol / is supported Yes	as user data for input variables per PN IO device / for	240 byte
product function / MIB support protocol / is supported Yes		240 byte
protocol / is supported	product functions / management, configuration, engineering	
	product function / MIB support	Yes
• SNMP v1 Yes	protocol / is supported	
	• SNMP v1	Yes

a CNIMD v2	Voc
SNMP v3 DCP	Yes Yes
• LLDP	
	Yes
configuration software	CTED 7 VE 5 CD2 or higher / CTED 7 Desfectional V/2 /TIA Destell or higher
• required	STEP 7 V5.5 SP3 or higher / STEP 7 Professional V12 (TIA Portal) or higher
product function / is supported / identification link	Yes
product functions / diagnostics	V
product function / web-based diagnostics	Yes
product functions / switch	V.
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
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product functions / security	
firewall version	stateful inspection
product function / with VPN connection	IPSec
type of encryption algorithms / with VPN connection	AES-256, AES-192, AES-128, 3DES-168, DES-56
type of authentication procedure / with VPN connection	Preshared key (PSK), X.509v3 certificates
type of hashing algorithms / with VPN connection	MD5, SHA-1
number of possible connections / with VPN connection	32
product function	
 password protection for Web applications 	Yes
ACL - IP-based	Yes
ACL - IP-based for PLC/routing	Yes
 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
standards, specifications, approvals / hazardous environments	
certificate of suitability / CCC / for hazardous zone according to GB standard	Yes; GB3836.1, GB3836.8
	Ex nA IIC T4 Gc
as marking further information / internet links	EXTIA IIC 14 GC
internet link	http://www.ciomono.com/kic.go/coffice.tec/
to web page: selection aid TIA Selection Tool to website: Industrial communication	http://www.siemens.com/tia-selection-tool
to website: Industrial communication to website: Industry Mall	http://www.siemens.com/simatic-net
to website: Industry Mall to website: Information and Download Contact	https://mail.industry.siemens.com
to website: Information and Download Center to website: Image database	http://www.siemens.com/industry/infocenter
to website: Image database As website: CAy Dayreland Manager	http://automation.siemens.com/bilddb
to website: CAx-Download-Manager to website: Industry Online Cymnort	http://www.siemens.com/cax
to website: Industry Online Support	https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product
	concept) and integrate each component into a holistic, state-of-the-art indu security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit

	information, visit http://support.automation.siemens.com. (V3.4)
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