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Data sheet 6GK7443-1EX11-0XE0

product type designation	**CP 443-1**



********** spare part ********* communications processor CP 443-1 for connection of SIMATIC S7-400 to Industrial Ethernet via ISO/TCP/IP and UDP, S7 communication, fetch/write, diagnostic extensions, send/receive, with and without RFC1006, multicast, NTP, initialization via LAN, access protection via IP access list 10/100 Mbit.

product brand name	SIMATIC NET
transfer rate	
transfer rate	
● at the 1st interface	10 ... 100 Mbit/s
interfaces	
number of interfaces / according to Industrial Ethernet	1
number of electrical connections	
● at the 1st interface / according to Industrial Ethernet	1
type of electrical connection	
● of Industrial Ethernet interface	15 pin Sub-D-socket (10Mbit/s AUI, 10/100 Mbit/s ITP)
● at the 1st interface / according 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
supply voltage	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]	8.6 W
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 weights	
module format	Compact module S7-400 single width
width	25 mm
height	290 mm
depth	210 mm
net weight	0.7 kg
product features, product functions, product components / general	

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number of units	
● per CPU / maximum	14
performance data / open communication	
number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	64
data volume	
● 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
product functions / management, configuration, engineering	
product function / MIB support	No
protocol / is supported	
● SNMP v1	No
● LLDP	No
configuration software	
● required	STEP 7 V5.1 SP2 or higher
product functions / diagnostics	
product function / web-based diagnostics	No
product functions / switch	
product feature / switch	No
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 / SICLOCK support	Yes
product function / pass on time synchronization	No
protocol / is supported	
● NTP	Yes
further information / internet links	
internet link	
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to website: Industrial communication	https://www.siemens.com/simatic-net
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic,

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Approvals / Certificates

General Product Approval

Declaration of Conformity | CCC | EAC | China RoHS | Manufacturer Declaration | UL

General Product Approval | EMV | For use in hazardous locations

KC | KC | ATEX | FM | IECEx | Type Examination Certificate

For use in hazardous locations | Maritime application

ATEX | BUREAU VERITAS | DNV | PRS | CCS (China Classification Society)

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