MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6GK7443-1EX11-0XE0

CP 443-1 INDUSTRIAL ETHERNET PROCESSOR

Used with the applicable SIMATIC S7-400 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens technical documentation for 6GK7443-1EX11-0XE0

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Data sheet 6GK7443-1EX11-0XE0

Product type designation

CP 443-1

Communications processor CP 443-1 for connection of SIMATIC S7-400 to industrial Ethernet via ISO/TCP/IP and UDP, S7 communication, fetch/write, Diagnostics Expansions, SEND/RECEIVE, with and without RFC1006, Multicast, NTP, initialization via LAN, access protection via IP access list 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
• of Industrial Ethernet interface	15 pin Sub-D-socket (10Mbit/s AUI, 10/100 Mbit/s ITP)
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 %

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Consumed current	
• from backplane bus / at DC / at 5 V / typical	1.4 A
Power loss [W]	8.6 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 / 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
Product properties, functions, components / general	
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
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	

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Number of active connections / with multi-protocol mode	64
Product functions / management, configuration	
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 / Diagnosis	
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 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

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