

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

SIEMENS SIMATIC NET

6GK7443-1GX11-0XE0

CP 443-1 IT ETHERNET PROCESSOR

Applicable product family: SIMATIC S7-400 communication processors

OFFICIAL SOURCE

6GK7443-1GX11-0XE0.pdf

The following pages are selected from the supplied manufacturer document and retain their original page content.

Data sheet

6GK7443-1GX11-0XE0

Product type designation	CP 443-1 IT COMMUNICATIONSPROCESSOR CP443-1 IT FOR CONNECTION OF SIMATIC S7-400 W. IND. ETHERN. ISO/TCP/IP,S7 COMM FETCH/WRITE, DIAG. EXPANSIONS SEND/RECEIVE, WITH AND W/O RFC, MULTICAST, NTP, INITIALIZING THROUGH LAN, FTP CLIENT, WWW, E-MAIL, 10/100 MBIT
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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
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 %

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

Performance data / open communication	
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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

Number of active connections / with multi-protocol mode	64
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Performance data / IT functions

Number of possible connections	
• as client / by means of FTP / maximum	10
• as server / by means of FTP / maximum	2
Number of possible connections	
• as server / by means of HTTP / maximum	4
• as e-mail client / maximum	1
Amount of data / as user data for email / maximum	2 Kibyte
Storage capacity / of the user memory	
• as flash memory file system	30 Miabyte
• as RAM	16 Miabyte
• additionally buffered as RAM via central backup battery	512 Kibyte
Number of possible write cycles / of the flash memory cells	100000

Product functions / management, configuration

Product function / MIB support	No
Protocol / is supported	
• SNMP v1	No
• LLDP	No

Configuration software	
• required	NCM S7 for Industrial Ethernet (included in the delivery of STEP 7 V5.x)
Product functions / Diagnosis	
Product function / Web-based diagnostics	Yes
Product functions / Redundancy	
Product function	
• Ring redundancy	No
Product functions / Security	
Product function	
• password protection for Web applications • ACL - IP-based • ACL - IP-based for PLC/routing • switch-off of non-required services • Blocking of communication via physical ports • log file for unauthorized access	No No No No No No
Product functions / Time	
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 • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: CAx Download Manager • to website: Industry Online Support	http://www.siemens.com/snst http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com
Security information	

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