SIEMENS

Data sheet	6GK7443-1UX00-0XE0

Product type designation	**CP 443-1 OPC UA**
	Communications processor CP 443-1 OPC UA; 1x 10/100/1000 Mbit/s RJ 45 port; OPC UA communic. (Data Access). Operation as OPC UA server Operation as OPC UA client via Programmable user block according to PLCopen, OPC UA-compliant security mechanisms Programming device communication Time synchronization Web diagnostics OPC UA server Certification

Transfer rate	
Transfer rate	
• for Industrial Ethernet	10 ... 1000 Mbit/s

Interfaces	
Number of interfaces / acc. to Industrial Ethernet	1
Type of electrical connection	
• of Industrial Ethernet interface	RJ45 port

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	1.3 A
Power loss [W]	6.5 W

Ambient conditions	
Ambient temperature	

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● 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

Number of units	
● per CPU / maximum	1

Performance data / S7 communication

Number of possible connections / for S7 communication	
● with PG connections / maximum	2

Performance data / as OPC UA server

Protocol / is supported / OPC UA Server	Yes
Number of possible connections / to OPC UA clients / maximum	10
Number of variables (items) / maximum	64000
Storage capacity / for variables (items) in summary	64000 byte
Number of monitorings (subscriptions)	
● per connection / maximum permissible	5
Number of variables (items)	
● per monitoring (subscriptions) / maximum	900
Storage capacity / for monitored variables (items)	45000 byte
Queue size / per monitored variable (item)	2

Performance data / as OPC UA client

Protocol / is supported / OPC UA Client	Yes
Number of possible connections / for OPC UA server / maximum	5
Number of variables (items) / over all connections reading/writing / maximum	10000

Product functions / management, configuration, engineering

Protocol / is supported	
● SNMP v1	Yes

• SNMP v3	Yes
Configuration software	
• required	STEP 7 V5.5 SP4 HF10 or higher / STEP 7 Professional V14 (TIA Portal) or higher

Product functions / Diagnostics

Product function / Web-based diagnostics	Yes

Product functions / Security

Product function	
• password protection for Web applications	Yes
• encrypted data transmission	Yes
• switch-off of non-required services	Yes
• log file for unauthorized access	Yes

Product functions / time

Protocol / is supported	
• NTP	Yes
• NTP (secure)	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

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 updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4)

05/13/2020