SIEMENS

Product data sheet 6GK7443-1EX20-0XE0

Product-type designation



CP 443-1

COMMUNICATIONSPROCESSOR CP443-1 FOR CONNECTING SIMATIC S7-400 TO INDUST. ETHERN. VIA ISO.

TCP/IP AND UDP, S7-COMM., FETCH/WRITE, SEND/RCV WITH AND W/O RFC1006, MULTICAST, PROFINET IO- CONTROLLER, DHCP, SNMP V2, WEB-, DIAGNOS., INITIALISATION VIA LAN, ACCESS PROTECTION VIA IP-ACCESS LIST, INTEGRATED REAL-TIME SWITCH ERTEC 400, 2XRJ45 CONNECT. FOR LAN WITH 10/100 MBIT/S

Transmission rate

Transfer rate / at the interface 1 10 ... 100 Mbit/s

Interfaces

Number of electrical connections / at interface 1 / in accordance with Industrial Ethernet

Design of electrical connection / at interface 1 / in accordance with Industrial Ethernet

RJ45 port

Supply voltage, current consumption, power loss

Type of voltage / of supply voltage

Supply voltage / 1 / from backplane bus

5 V

Relative symmetrical tolerance / at 5 V / with DC

Consumed current / from backplane bus / at 5 V / for DC / Typical

1.4 A

Resistive loss

8.6 W

Permitted ambient conditions

Ambient temperature

during operating
 during storage
 -40 ... +70 °C

• during transport -40 ... +70 °C

Relative humidity / at 25 $^{\circ}\text{C}$ / without condensation / during operating

/ maximum

Protection class IP

95 %

IP20

Design, dimensions and weight	
Width	25 mm
Height	290 mm
Depth	210 mm
Net weight	0.7 kg
Product properties, functions, components / general	
Number of modules	
• per CPU / maximum	14
• note	max. 4 as PN IO ctrl.
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
Number of possible connections / for open communication / by means of T blocks / maximum	64
Data volume / as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum	1452 byte
Performance data / S7 communication	
Number of possible connections / for S7 communication	
• maximum	128
• with PG connections / maximum	2
• note	when using several CPUs
Performance data / multi-protocol mode	
Number of active connections / with multiprotocol mode	128
Performance data / PROFINET communication / as PN IO-Controller	
Product function / PROFINET IO controller	Yes
Number of PN IO-Devices / on PROFINET IO-Controller / usable / total	128
Number of PN IO IRT-Devices / on PROFINET IO-Controller / usable	128
Number of external PN IO lines / with PROFINET / per rack	4
Data volume	
 as useful data for input variables / as PROFINET IO controller / maximum 	4 Kibyte

 as useful data for output variables / with PROFINET IO controller / maximum 	4 Kibyte
 as useful data for input variables per PN IO device / with PROFINET IO controller / maximum 	1433 byte
 as useful data for output variables per PN IO device / with PROFINET IO controller / maximum 	1433 byte
 as user data for input variable per PN IO device / per submodule as PROFINET IO controller / maximum 	240 byte
 as user data for output variables per PN IO device / per submodule as PROFINET IO controller / maximum 	240 byte
Product functions / management, configuration	
Product function / MIB support	Yes
Protocol / is supported	
• SNMP v1	Yes
• DCP	Yes
• LLDP	Yes
Product functions / Diagnosis	
Product function / Web-based diagnostics	Yes
Product functions / switch	
Product feature / switch	Yes
Product function	
• switch-managed	No
• for IRT / PROFINET IO switch	Yes
Configuration with STEP 7	Yes
Product functions / Redundancy	
Product function	
Ring redundancy	Yes
Redundancy manager	Yes
MRP redundancy protocol	Yes
Product functions / Security	
Product function	
ACL - IP-based	Yes
• switchoff 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
• pass on time synchronization	Yes
Protocol / will be supported / NTP	Yes
letzte Änderung:	Feb 13, 2013