# **SIEMENS**

### Data sheet

6GK7343-1FX00-0XE0

#### Product type designation



#### **CP 343-1 ERPC**

Communications processor CP 343-1 ERPC for connection of SIMATIC S7-300 CPU to Industrial Ethernet and to various databases Functions: TCP/UDP, S7 comm., open communication with a. without RFC1006, Multicast, Web server, Clock time via SIMATIC method or NTP, access protection via IP access list SNMP, DHCP, C-plug, Gigabit interface 1x RJ45 (10/100/1000 MB)

Transmission rate	
Transfer rate	
• at the 1st interface	10 1000 Mbit/s
Interfaces	
Number of interfaces / acc. to Industrial Ethernet	1
Number of electrical connections	
• at the 1st interface / acc. to Industrial Ethernet	1
<ul><li>for power supply</li></ul>	1
Type of electrical connection	
• at the 1st interface / acc. to Industrial Ethernet	RJ45 port
<ul><li>for power supply</li></ul>	2-pole plugable terminal block
design of the removable storage / C-PLUG	Yes
Supply voltage, current consumption, power loss	
Type of voltage / of the supply voltage	DC
Supply voltage / 1 / from backplane bus	5 V
Supply voltage / external	24 V
Supply voltage / external / at DC / Rated value	24 V

Relative positive tolerance / at DC / at 24 V	20 %
Relative negative tolerance / at DC / at 24 V	15 %
Consumed current	
• from backplane bus / at DC / at 5 V / typical	0.3 A
<ul> <li>from external supply voltage / at DC / at 24 V / typical</li> </ul>	0.16 A
<ul> <li>from external supply voltage / at DC / at 24 V / maximum</li> </ul>	0.6 A
Power loss [W]	14.7 W
Ambient conditions	
Ambient temperature	
<ul> <li>for vertical installation / during operation</li> </ul>	0 40 °C
<ul> <li>for horizontally arranged busbars / during operation</li> </ul>	0 60 °C
during storage	-40 +70 °C
during transport	-40 +70 °C
Relative humidity	
<ul> <li>at 25 °C / without condensation / during operation / maximum</li> </ul>	95 %
Protection class IP	IP20
Design, dimensions and weight	
Module format	Compact module S7-300 double width

Design, dimensions and weight	
Module format	Compact module S7-300 double width
Width	80 mm
Height	125 mm
Depth	120 mm
Net weight	0.8 kg
Mounting type	
• S7-300 rail mounting	Yes

Performance data / open communication	
Number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	8
Amount of data	
<ul> <li>as user data per ISO on TCP connection / for open communication / by means of SEND/RECEIVE blocks / maximum</li> </ul>	8 Kibyte
<ul> <li>as user data per TCP connection / for open communication / by means of SEND/RECEIVE blocks / maximum</li> </ul>	8 Kibyte
<ul> <li>as user data per UDP connection / for open IE communication / by means of SEND/RECEIVE blocks / maximum</li> </ul>	2 Kibyte
Number of Multicast stations	8

Performance data / S7 communication	
Number of possible connections / for S7	
communication	
• maximum	8
• Note	also 2 PG/OP connections and 1 diagnostics connection
- Note	also 2 1 G/G1 Golfficotions and 1 diagnostics confliction
Performance data / multi-protocol mode	
Number of active connections / with multi-protocol	32
mode	
Performance data / IT functions	
Number of possible connections	
• as server / by means of HTTP / maximum	4
Number of possible write cycles / of the flash memory	100000
cells	
Performance data / ERPC functions	
Number of possible connections / for communication	8
with ERP or MES stations / maximum	
Number of possible logical triggers / per CP /	8
maximum	
Number of configurable ERPC symbols for database	
access	
• per CPU / maximum	2000
<ul><li>per logical trigger / maximum</li></ul>	255
Amount of data / as user data and header information	8 Kibyte
per logical trigger	
Performance data / telecontrol	
Protocol / is supported	
• TCP/IP	Yes
Product functions / management, configuration	
Product functions / management, comiguration	Yes
Protocol / is supported	
• SNMP v1	Yes
• DCP	Yes
• LLDP	Yes
Configuration software	
• required	STEP 7 V5.4 SP5 + HSP or higher
Identification & maintenance function	
I&M0 - device-specific information	Yes
·	Yes
<ul> <li>I&amp;M1 – higher-level designation/location designation</li> </ul>	
200,9,141101.	
Product functions / Diagnosis	
Product function / Web-based diagnostics	Yes

Product functions / switch		
Product feature / Switch	No	
Product functions / Redundancy		
Product function		
Ring redundancy	No	
Product functions / Security		
Product function		
<ul> <li>password protection for Web applications</li> </ul>	No	
ACL - IP-based	Yes	
ACL - IP-based for PLC/routing	No	
<ul><li>switch-off of non-required services</li></ul>	Yes	
Blocking of communication via physical ports	Yes	
• log file for unauthorized access	No	
Product functions / Time		
Product function / SICLOCK support	Yes	
Product function / pass on time synchronization	Yes	
Protocol / is supported		
• NTP	Yes	
Further Information / Internet Links		
Internet-Link		
<ul><li>to website: Selector SIMATIC NET SELECTION TOOL</li></ul>	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

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