

Data sheet

6GK7343-1FX00-0XE0



***** spare part ***** 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 Mbit)

transfer rate	
transfer rate <ul style="list-style-type: none">at the 1st interface	10 ... 1000 Mbit/s
interfaces	
number of interfaces / acc. to Industrial Ethernet	1
number of electrical connections <ul style="list-style-type: none">at the 1st interface / acc. to Industrial Ethernetfor power supply	1 1
type of electrical connection <ul style="list-style-type: none">at the 1st interface / acc. to Industrial Ethernet	RJ45 port
type of electrical connection <ul style="list-style-type: none">for power supply	2-pole plugable terminal block
design of the removable storage <ul style="list-style-type: none">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 <ul style="list-style-type: none">from backplane bus / at DC / at 5 V / typicalfrom external supply voltage / at DC / at 24 V / typicalfrom external supply voltage / at DC / at 24 V / maximum	0.3 A 0.16 A 0.6 A
power loss [W]	14.7 W
ambient conditions	
ambient temperature <ul style="list-style-type: none">for vertical installation / during operationfor horizontally arranged busbars / during operationduring storageduring transport	0 ... 40 °C 0 ... 60 °C -40 ... +70 °C -40 ... +70 °C
relative humidity <ul style="list-style-type: none">at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP20

design, dimensions and weights	
module format	Compact module S7-300 double width
width	80 mm
height	125 mm
depth	120 mm
net weight	0.8 kg
fastening method	Yes
• S7-300 rail mounting	
performance data / open communication	
number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	8
data volume	8 Kibyte
• as user data per ISO on TCP connection / for open communication / by means of SEND/RECEIVE blocks / maximum	
• as user data per TCP connection / for open communication / by means of SEND/RECEIVE blocks / maximum	
• as user data per UDP connection / for open IE communication / by means of SEND/RECEIVE blocks / maximum	
number of Multicast stations	8
performance data / S7 communication	
number of possible connections / for S7 communication	8; also 2 PG/OP connections and 1 diagnostics connection
• maximum	
performance data / multi-protocol mode	
number of active connections / with multi-protocol mode	32
performance data / IT functions	
number of possible connections	4
• as server / by means of HTTP / maximum	
number of possible write cycles / of the flash memory cells	100000
performance data / ERPC functions	
number of possible connections / for communication with ERP or MES stations / maximum	8
number of possible logical triggers / per CP / maximum	8
number of configurable ERPC symbols for database access	2000
• per CPU / maximum	
• per logical trigger / maximum	
data volume / as user data and header information per logical trigger	8 Kibyte
performance data / telecontrol	
protocol / is supported	Yes
• TCP/IP	
product functions / management, configuration, engineering	
product function / MIB support	Yes
protocol / is supported	Yes
• SNMP v1	
• DCP	
• LLDP	
configuration software	STEP 7 V5.4 SP5 + HSP or higher
• required	
identification & maintenance function	Yes
• I&M0 - device-specific information	
• I&M1 – higher level designation/location designation	
product functions / diagnostics	
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	
• password protection for Web applications	No
• ACL - IP-based	Yes
• ACL - IP-based for PLC/routing	No
• switch-off 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
product function / pass on time synchronization	Yes
protocol / is supported	
• NTP	Yes
standards, specifications, approvals / hazardous environments	
certificate of suitability / CCC / for hazardous zone according to GB standard	Yes
further information / internet-Links	
Internet-Link	
• to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
• 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	
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