SIEMENS

Product data sheet 6GK7343-1GX30-0XE0

COMMUNICATIONSPROCESSOR CP343-1 ADVANCED FOR CONNECTING SIMATIC S7-300CPU TO IND.ETHERNET: PROFINET IO- CONTROLLER OR/AND IO-DEVICE RT AND IRT,
MRP,
PROFINET CBA TCP/IP,ISO,UDP,S7-COM,S5-COMP. COM.(SEND/RECEIVE)W.FETCH/WRITE WIT AND W/O RFC 1006,MULTICAST DIAGNOSTIC EXPANSIONS,SNMP,DHCP FTP CLIENT/SERVER,E-MAIL, DATA STORAGE ON C-PLUG,
PROFINET-SS 2X RJ45(10/100MBIT) SWITCHED,
GIGABIT-SS 1X RJ45 (10/100/1000 MBIT)

Transmission rate	
Transfer rate	
• at the interface 1	10 … 1000 Mbit/s
• at the interface 2	10 … 100 Mbit/s
Interfaces	
Number of electrical connections	
• at interface 1 / in accordance with Industrial Ethernet	1
• at interface 2 / in accordance with Industrial Ethernet	2
• for power supply	1
design of the removable storage / C-PLUG	Yes
Supply voltage, current consumption, power loss	
Type of voltage / of supply voltage	DC
Supply voltage	
• 1 / from backplane bus	5 V
• external	24 V
Relative positive tolerance / at 24 V / with DC	20 %
Relative negative tolerance / at 24 V / with DC	15 %
Consumed current	
• from backplane bus / at 5 V / for DC / Typical	0.14 A
• from external supply voltage / at 24 V / with DC	
• typical	0.48 A

• maximum	0.62 A
Resistive loss	14.7 W
Permitted ambient conditions	
Ambient temperature	
• during storage	-40 … +70 °C
• during transport	-40 … +70 °C
Relative humidity	
• at 25 °C / without condensation / during operating / maximum	95 %
Protection class IP	IP20
Design, dimensions and weight	
Width	80 mm
Height	125 mm
Depth	120 mm
Net weight	0.6 kg
Performance data / open communication	
Number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	16
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 Multicast stations	16
Performance data / S7 communication	
Number of possible connections / for S7 communication	
• maximum	16
Performance data / multi-protocol mode	
Number of active connections / with multiprotocol mode	48
Performance data / IT functions	
Number of possible connections	
• as client / by means of FTP / maximum	10
• as server	
• by means of FTP / maximum	2
• by means of HTTP / maximum	4
• as e-mail client / maximum	1
Amount of data / as useful data for e-mail / maximum	8 Kibyte
Storage capacity / of user memory	

• as flash memory file system	28 Mibyte
• as RAM	30 Mibyte
Number of possible write cycles / flash memory cells	100000
Performance data / PROFINET communication / as PN IO-Controller	
Number of PN IO-Devices / on PROFINET IO-Controller / usable / total	128
Number of PN IO IRT-Devices / on PROFINET IO-Controller / usable	32
Number of external PN IO lines / with PROFINET / per rack	1
Amount of data	
• as useful data for input variables / as PROFINET IO controller / maximum	4 Kibyte
• as useful data for input variables / with PROFINET IO controller / maximum	4 Kibyte
• as useful data for input variables per PN IO device / with PROFINET IO controller / maximum	240 byte
• as useful data for output variables per PN IO device / with PROFINET IO controller / maximum	240 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
Performance data / PROFINET communication / as PN IO-Device	
Product function / PROFINET IO device	Yes
Amount of data	
• as useful data for input variables / as PROFINET IO device / maximum	1024 byte
• as useful data for input variables / as PROFINET IO device / maximum	1024 byte
• as useful data for input variables / for each sub-module under PROFINET IO device	240 byte
• as useful data for input variables / for each sub-module under PROFINET IO device	240 byte
• as useful data for the consistency area for each sub-module	240 byte
Number of submodules / per PROFINET IO-Device	32
Performance data / PROFINET CBA	
Number of remote connection partners / with PROFINET CBA	64
Number of connections / with PROFINET CBA / total	1000
Amount of data	
• as useful data for digital inputs / with PROFINET CBA / maximum	8 Kibyte
• as useful data for digital outputs / in the case of PROFINET CBA / max.	8 Kibyte
• as useful data for arrays and data types	

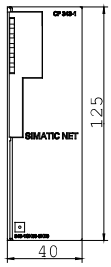
• in the case of acyclic transmission / with PROFINET CBA / maximum	8 Kibyte
• in the case of cyclic transmission / with PROFINET CBA / maximum	250 byte
• in the case of local interconnection / with PROFINET CBA / maximum	2400 byte
Performance data / PROFINET CBA / remote connection / with acyclic transmission	
Updating time / of the remote interconnections / in the case of acyclic transmission / with PROFINET CBA	100 ms
Number of remote connections to input variables / with acyclic transmission / with PROFINET CBA / maximum	128
Number of remote connections to output variables / with acyclic transmission / with PROFINET CBA / maximum	128
Amount of data	
• as useful data for remote interconnections with input variables / in the case of acyclic transmission / with PROFINET CBA	8 Kibyte
• as useful data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA	8 Kibyte
Performance data / PROFINET CBA / remote connection / with cyclic transmission	
Updating time / of the remote interconnections / in the case of acyclic transmission / with PROFINET CBA	8 ms
Number of remote connections to input variables / with cyclic transmission / with PROFINET CBA / maximum	200
Number of remote connections to output variables / with cyclic transmission / with PROFINET CBA / maximum	200
Amount of data	
• as useful data for remote interconnections with input variables / in the case of cyclic transmission / with PROFINET CBA / max.	2000 byte
• as useful data for remote interconnections with output variables / in the case of cyclic transmission / with PROFINET CBA / maximum	2000 byte
Performance data / PROFINET CBA / HMI variables via PROFINET / acyclic	
Number of connectable HMI stations / for HMI variables / with acyclic transmission / with PROFINET CBA	3
Updating time / of the HMI variables / in the case of acyclic transmission / with PROFINET CBA	500 ms
Number of HMI variables / with acyclic transmission / with PROFINET CBA / maximum	200
Amount of data / as useful data for HMI variables / in the case of acyclic transmission / with PROFINET CBA / maximum	8 Kibyte
Performance data / PROFINET CBA / device-internal connections	
Number of internal connections / with PROFINET CBA / maximum	256
Data volume / of internal connections / with PROFINET CBA / maximum	2400 byte

Performance data / PROFINET CBA / connections to constants	
Number of connections to constants / with PROFINET CBA / maximum	200
Amount of data / as useful data for interconnections with constants / in the case of PROFINET CBA / maximum	4096 byte
Performance data / PROFINET CBA / PROFIBUS proxy functionality	
Product function / with PROFINET CBA / PROFIBUS proxy functionality	No
Product functions / management, configuration	
Product function / MIB support	Yes
Protocol / is supported	
• SNMP v1	Yes
• DCP	Yes
• LLDP	Yes
Identification & maintenance	
• I&M0 - device-specific information	Yes
• I&M1 - plant identification/location name	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	
• password protection for Web applications	Yes
• ACL - IP-based	Yes
• ACL - IP-based for PLC/routing	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	

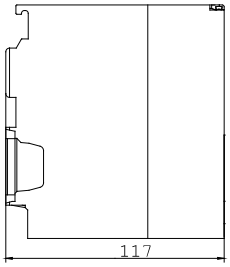
• SICLOCK support	Yes
• pass on time synchronization	Yes
Protocol / is supported / NTP	Yes

Maßzeichnung

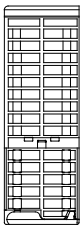
Vorne / Front



Links / Left



Oben / Top



letzte Änderung: Jul 17, 2012