SIEMENS

Data sheet	6FL4343-1CX10-0XE0

product type designation	CP 343-1 BACnet

********** spare part ********** Please note: sale will be restricted as of April 30, 2012. http:/support.automation. siemens.com/WW/ view/en/58567948 Siemens Building Technologies communications processor CP 343-1 BACnet for connection of SIMATIC S7-300 to BACnet. Additional runtime license for the usage of the BACnet protocol on the CP required; please note: order only possible via ORG-ID: A1201396 !

transfer rate	
transfer rate	
● at the 1st interface	10 ... 100 Mbit/s
interfaces	
number of interfaces / according to Industrial Ethernet	1
number of electrical connections	
● at the 1st interface / according to Industrial Ethernet	1
● for power supply	1
type of electrical connection	
● at the 1st interface / according to Industrial Ethernet	RJ45 port
type of electrical connection	
● for power supply	2-pole plugable terminal block
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	0.2 A
● from external supply voltage / at DC / at 24 V / maximum	0.2 A
power loss [W]	5.8 W
ambient conditions	
ambient temperature	
● 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 S7-300 single width
width	40 mm
height	125 mm
depth	120 mm
net weight	0.22 kg
product features, product functions, product components / general	

number of units	
● per CPU / maximum	1
● note	without BACnet protocol: max. 8 per station

performance data / open communication	
number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	8
data volume	
● 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	8

performance data / S7 communication	
number of possible connections / for S7 communication	
● maximum	4
● with PG connections / maximum	2
● with PG/OP connections / maximum	2

performance data / multi-protocol mode	
number of active connections / with multi-protocol mode	12

performance data / BACnet	
protocol / is supported / BACnet/IP	Yes
product function	
● BACnet device type AAC (Advanced Application Controller)	Yes
● peer-to-peer between BACnet automation stations	Yes
● BBMD (BACnet Broadcast Management Device)	Yes
number of BACnet I/O objects / maximum	800
total number of BACnet objects / maximum	1500
influence on cycle time / of automation system	no effect
storage capacity / of S7 CPU work memory / required	4 Kibyte
standard / for BACnet	Communication based on TCP/IP, BACnet server according to EN 16484, Part 5

performance data / telecontrol	
protocol / is supported	
● TCP/IP	Yes

product functions / management, configuration, engineering	
product function / MIB support	Yes
protocol / is supported	
● SNMP v1	Yes
● DCP	Yes
● LLDP	Yes
configuration software	
● required	STEP 7 Version V5.4 SP5 plus HSP or higher. To use the BACnet-Protocol on the module an additional runtime license - Building Integration (Reference-Number S55372-C107) is necessary. To order the license please contact your regional Siemens partner.

product functions / diagnostics	
product function / web-based diagnostics	No

product functions / switch	
product feature / switch	Yes
product function	
● switch-managed	No
● with IRT / PROFINET IO switch	Yes
● configuration with STEP 7	Yes

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	

● to web page: selection aid TIA 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)

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