

### product type designation



### CP 343-1 BACnet

-- spare part -- Attention: 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 use of the BACnet protocol on the CP required; Attention: Order only possible via ORG-ID: A1201396 !

transfer rate	
transfer rate	
<ul style="list-style-type: none"> <li>at the 1st interface</li> </ul>	10 ... 100 Mbit/s
interfaces	
number of interfaces / according to Industrial Ethernet	1
number of electrical connections	
<ul style="list-style-type: none"> <li>at the 1st interface / according to Industrial Ethernet</li> <li>for power supply</li> </ul>	1 1
type of electrical connection	
<ul style="list-style-type: none"> <li>at the 1st interface / according to Industrial Ethernet</li> </ul>	RJ45 port
type of electrical connection	
<ul style="list-style-type: none"> <li>for power supply</li> </ul>	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	
<ul style="list-style-type: none"> <li>from backplane bus / at DC / at 5 V / typical</li> <li>from external supply voltage / at DC / at 24 V / maximum</li> </ul>	0.2 A 0.2 A
power loss [W]	5.8 W
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>	0 ... 60 °C -40 ... +70 °C -40 ... +70 °C
relative humidity	
<ul style="list-style-type: none"> <li>at 25 °C / without condensation / during operation / maximum</li> </ul>	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	
<ul style="list-style-type: none"> <li>per CPU / maximum</li> <li>note</li> </ul>	1 without BACnet protocol: max. 8 per station
<b>performance data / open communication</b>	
number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	8
data volume	
<ul style="list-style-type: none"> <li>as user data per TCP connection / for open communication / by means of SEND/RECEIVE blocks / maximum</li> <li>as user data per UDP connection / for open IE communication / by means of SEND/RECEIVE blocks / maximum</li> </ul>	8 Kibyte 2 Kibyte
number of Multicast stations	8
<b>performance data / S7 communication</b>	
number of possible connections / for S7 communication	
<ul style="list-style-type: none"> <li>maximum</li> <li>with PG connections / maximum</li> <li>with PG/OP connections / maximum</li> </ul>	4 2 2
<b>performance data / multi-protocol mode</b>	
number of active connections / with multi-protocol mode	12
<b>performance data / BACnet</b>	
protocol / is supported / BACnet/IP	Yes
product function	
<ul style="list-style-type: none"> <li>BACnet device type AAC (Advanced Application Controller)</li> <li>peer-to-peer between BACnet automation stations</li> <li>BBMD (BACnet Broadcast Management Device)</li> </ul>	Yes Yes 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
<b>performance data / telecontrol</b>	
protocol / is supported	
<ul style="list-style-type: none"> <li>TCP/IP</li> </ul>	Yes
<b>product functions / management, configuration, engineering</b>	
product function / MIB support	Yes
protocol / is supported	
<ul style="list-style-type: none"> <li>SNMP v1</li> <li>DCP</li> <li>LLDP</li> </ul>	Yes Yes Yes
configuration software	
<ul style="list-style-type: none"> <li>required</li> </ul>	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.
<b>product functions / diagnostics</b>	
product function / web-based diagnostics	No
<b>product functions / switch</b>	
product feature / switch	Yes
product function	
<ul style="list-style-type: none"> <li>switch-managed</li> <li>with IRT / PROFINET IO switch</li> <li>configuration with STEP 7</li> </ul>	No Yes Yes
<b>product functions / time</b>	
product function / SICLOCK support	Yes
product function / pass on time synchronization	Yes
protocol / is supported	
<ul style="list-style-type: none"> <li>NTP</li> </ul>	Yes
<b>further information / internet links</b>	
internet link	

- to web page: selection aid TIA Selection Tool
- to website: Industrial communication
- to website: Image database
- to website: CAX-Download-Manager
- to website: Industry Online Support

- <https://www.siemens.com/tstcloud>
- <https://www.siemens.com/simatic-net>
- <https://www.automation.siemens.com/bilddb>
- <https://www.siemens.com/cax>
- <https://support.industry.siemens.com>

## security information

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