



COMMUNICATION PROCESSOR CP 1243-1 DNP3 FOR CONNECTING OF SIMATIC S7-1200 TO CONTROL CENTER WITH DNP3 PROTOCOL

Transmission rate	
Transfer rate	
<ul style="list-style-type: none"> <li>at the 1st interface</li> </ul>	10 ... 100 Mbit/s
Interfaces	
Number of interfaces / acc. to Industrial Ethernet	1
Number of electrical connections	
<ul style="list-style-type: none"> <li>at the 1st interface / acc. to Industrial Ethernet</li> <li>for power supply</li> </ul>	1 0
Type of electrical connection	
<ul style="list-style-type: none"> <li>at the 1st interface / acc. to Industrial Ethernet</li> </ul>	RJ45 port
Supply voltage, current consumption, power loss	
Type of voltage / of the supply voltage	DC
Supply voltage / 1 / from backplane bus	5 V
Consumed current	
<ul style="list-style-type: none"> <li>from backplane bus / for DC / at 5 V / typical</li> </ul>	0.25 A
Active power loss	1.25 W
Permitted ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> <li>for vertical installation / during operation</li> <li>for horizontally arranged busbars / during operation</li> <li>during storage</li> <li>during transport</li> </ul>	-20 ... +60 °C -20 ... +70 °C -40 ... +70 °C -40 ... +70 °C

Relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP20

### Design, dimensions and weight

Module format	Compact module S7-1200 single width
Width	30 mm
Height	110 mm
Depth	75 mm
Net weight	0.122 kg
Mounting type	
• 35 mm DIN rail mounting	Yes
• wall mounting	Yes

### Product properties, functions, components / general

Number of units	
• per CPU / maximum	3

### Performance data / S7 communication

Number of possible connections / for S7 communication	
• Note	like CPU

### Performance data / IT functions

Number of possible connections	
• as e-mail client / maximum	1

### Performance data / telecontrol

Suitability for use	
• Node station	No
• substation	Yes
• TIM control center	No
Control center connection	control center with DNP3 function
Control center connection / by means of a permanent connection	supported
Control center connection / Note	Connection to Scada system using DNP3 services
Protocol / is supported	
• DNP3	Yes
• IEC 60870-5	No
Product function / data buffering if connection is aborted	Yes
• Note	64,000 values
Number of data points per station / maximum	200

### Performance data / Teleservice

Diagnostics function / online diagnostics with SIMATIC STEP 7	Yes
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Product function	
<ul style="list-style-type: none"> <li>• program download with SIMATIC STEP 7</li> <li>• Remote firmware update</li> </ul>	<p>Yes</p> <p>Yes</p>
<b>Product functions / management, configuration</b>	
Configuration software	
<ul style="list-style-type: none"> <li>• required</li> </ul>	STEP 7 Basic/Professional V12 SP1 (TIA Portal) or higher
<b>Product functions / Time</b>	
Protocol / is supported / NTP	No
<b>Further Information / Internet Links</b>	
Internet-Link	
<ul style="list-style-type: none"> <li>• to website: Selector SIMATIC NET SELECTION TOOL</li> <li>• to website: Industrial communication</li> <li>• to website: Industry Mall</li> <li>• to website: Information and Download Center</li> <li>• to website: Image database</li> <li>• to website: CAx Download Manager</li> <li>• to website: Industry Online Support</li> </ul>	<p><a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a></p> <p><a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a></p> <p><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a></p> <p><a href="http://www.siemens.com/automation/net/catalog">http://www.siemens.com/automation/net/catalog</a></p> <p><a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a></p> <p><a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a></p> <p><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a></p>
<b>Security information</b>	
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