

### Product type designation

### CP 1243-1 IEC

Communications processor CP 1243-1 IEC for connection of SIMATIC S7-1200 to control center with protocol IEC 60870-5-104



### Transmission rate

#### Transfer rate

- at the 1st interface

10 ... 100 Mbit/s

### Interfaces

Number of interfaces / acc. to Industrial Ethernet

1

Number of electrical connections

- at the 1st interface / acc. to Industrial Ethernet
- for power supply

1

0

Type of electrical connection

- at the 1st interface / acc. to Industrial Ethernet

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

- from backplane bus / at DC / at 5 V / typical

0.25 A

Power loss [W]

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>	<p>-20 ... +60 °C</p> <p>-20 ... +70 °C</p> <p>-40 ... +70 °C</p> <p>-40 ... +70 °C</p>
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	
<ul style="list-style-type: none"> <li>• 35 mm DIN rail mounting</li> <li>• wall mounting</li> </ul>	<p>Yes</p> <p>Yes</p>

### Product properties, functions, components / general

Number of units	
<ul style="list-style-type: none"> <li>• per CPU / maximum</li> </ul>	3

### Performance data / S7 communication

Number of possible connections / for S7 communication	
<ul style="list-style-type: none"> <li>• Note</li> </ul>	like CPU

### Performance data / IT functions

Number of possible connections	
<ul style="list-style-type: none"> <li>• as e-mail client / maximum</li> </ul>	1

### Performance data / telecontrol

Suitability for use	
<ul style="list-style-type: none"> <li>• Node station</li> <li>• substation</li> <li>• TIM control center</li> </ul>	<p>No</p> <p>Yes</p> <p>No</p>
Control center connection	control center with IEC 60870-5 function supported
<ul style="list-style-type: none"> <li>• by means of a permanent connection</li> <li>• Note</li> </ul>	<p>Connection to SCADA system using IEC 60870-5</p>
Protocol / is supported	
<ul style="list-style-type: none"> <li>• DNP3</li> <li>• IEC 60870-5</li> </ul>	<p>No</p> <p>Yes</p>
Product function / data buffering if connection is aborted	Yes; 64,000 values

Number of data points per station / maximum	200
<b>Performance data / Teleservice</b>	
Diagnostics function / online diagnostics with SIMATIC STEP 7	Yes
Product function	
• program download with SIMATIC STEP 7	Yes
• Remote firmware update	Yes
Configuration software	
• required	STEP 7 Basic/Professional
<b>Product functions / Time</b>	
Protocol / is supported	
• NTP	No
time synchronization	
• from control center	Yes
<b>Accessories</b>	
<b>Further Information / Internet Links</b>	
Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>
• to website: Industrial communication	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
• to website: Industry Mall	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
• to website: Information and Download Center	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
• to website: Image database	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
• to website: CAx Download Manager	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>Security information</b>	
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last modified:

07/23/2018