

### Product type designation

### CP 243-1

Communications processor CP 243-1 for connection of SIMATIC S7-22X to Industrial Ethernet; FTP client communication; HTTP server; FTP server; E-mail client



### 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

1

Type of electrical connection

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

RJ45 port

3-pole 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> </ul>	0.06 A
<ul style="list-style-type: none"> <li>• from external supply voltage / at DC / at 24 V / typical</li> </ul>	0.053 A
<ul style="list-style-type: none"> <li>• from external supply voltage / at DC / at 24 V / maximum</li> </ul>	0.06 A
Power loss [W]	1.5 W

### Ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>• for vertical installation / during operation</li> </ul>	0 ... 45 °C
<ul style="list-style-type: none"> <li>• for horizontally arranged busbars / during operation</li> </ul>	0 ... 55 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-40 ... +70 °C
<ul style="list-style-type: none"> <li>• during transport</li> </ul>	-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 weight

Module format	Compact module S7-200 double width
Width	71.2 mm
Height	80 mm
Depth	62 mm
Net weight	0.15 kg

### Product properties, functions, components / general

Number of units	
<ul style="list-style-type: none"> <li>• per CPU / maximum</li> </ul>	1
<ul style="list-style-type: none"> <li>• Note</li> </ul>	-

### Performance data / S7 communication

Number of possible connections / for S7 communication	
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	8
<ul style="list-style-type: none"> <li>• with PG connections / maximum</li> </ul>	1
<ul style="list-style-type: none"> <li>• with PG/OP connections / maximum</li> </ul>	8

### Performance data / IT functions

Number of possible connections	
<ul style="list-style-type: none"> <li>• as client / by means of FTP / maximum</li> </ul>	1
Number of possible connections	
<ul style="list-style-type: none"> <li>• as server / by means of HTTP / maximum</li> </ul>	4
<ul style="list-style-type: none"> <li>• as e-mail client / maximum</li> </ul>	1

Number of emails with 1024 characters / of email client / maximum	32
Number of access authorizations / of access protection	8
Storage capacity / of the user memory <ul style="list-style-type: none"> <li>• as flash memory file system</li> </ul>	8 Mibyte
Number of possible write cycles / of the flash memory cells	100000

### Performance data / telecontrol

Protocol / is supported <ul style="list-style-type: none"> <li>• TCP/IP</li> </ul>	Yes
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### Product functions / management, configuration

Product function / MIB support	No
Protocol / is supported <ul style="list-style-type: none"> <li>• SNMP v1</li> </ul>	No
Configuration software <ul style="list-style-type: none"> <li>• required</li> </ul>	STEP 7-Micro/WIN Version V4.0 SP8 or higher

### Product functions / Diagnosis

Product function / Web-based diagnostics	Yes
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### Product functions / switch

Product feature / Switch	No
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### Further Information / Internet Links

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>	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a> <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a> <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a> <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a> <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a> <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
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### Security information

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Security information

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