

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"> • from backplane bus / at DC / at 5 V / typical 	0.06 A
<ul style="list-style-type: none"> • from external supply voltage / at DC / at 24 V / typical 	0.053 A
<ul style="list-style-type: none"> • from external supply voltage / at DC / at 24 V / maximum 	0.06 A
Power loss [W]	1.5 W

Ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> • for vertical installation / during operation 	0 ... 45 °C
<ul style="list-style-type: none"> • for horizontally arranged busbars / during operation 	0 ... 55 °C
<ul style="list-style-type: none"> • during storage 	-40 ... +70 °C
<ul style="list-style-type: none"> • during transport 	-40 ... +70 °C
Relative humidity	
<ul style="list-style-type: none"> • at 25 °C / without condensation / during operation / maximum 	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"> • per CPU / maximum 	1
<ul style="list-style-type: none"> • Note 	-

Performance data / S7 communication

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

Performance data / IT functions

Number of possible connections	
<ul style="list-style-type: none"> • as client / by means of FTP / maximum 	1
Number of possible connections	
<ul style="list-style-type: none"> • as server / by means of HTTP / maximum 	4
<ul style="list-style-type: none"> • as e-mail client / maximum 	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"> • as flash memory file system 	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"> • TCP/IP 	Yes
--	-----

Product functions / management, configuration

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

Product functions / Diagnosis

Product function / Web-based diagnostics	Yes
--	-----

Product functions / switch

Product feature / Switch	No
--------------------------	----

Further Information / Internet Links

Internet-Link <ul style="list-style-type: none"> • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: CAx Download Manager • to website: Industry Online Support 	http://www.siemens.com/snst http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb http://www.siemens.com/cax 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)

last modified:

08/26/2019