

Product type designation

CP 443-5 Basic

Communications processor CP 443-5 Basic for connection of SIMATIC S7-400 to PROFIBUS FMS, S5-compatible, PG/OP and S7 communication



Transfer rate

Transfer rate

- at the 1st interface / acc. to PROFIBUS 9.6 kbit/s ... 12 Mbit/s

Interfaces

Number of interfaces / acc. to Industrial Ethernet 0

Number of electrical connections

- at the 1st interface / acc. to PROFIBUS 1

Type of electrical connection

- at the 1st interface / acc. to PROFIBUS 9-pin Sub-D socket (RS485)

Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage DC

Supply voltage / 1 / from backplane bus 5 V

Supply voltage 5 V

Relative symmetrical tolerance / at DC

- at 5 V 5 %

Consumed current

- from backplane bus / at DC / at 5 V / typical 1 A

<ul style="list-style-type: none"> • from external supply voltage / at DC / at 24 V / typical 	1.2 A
Power loss [W]	5 W

Ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> • during operation 	0 ... 60 °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 weights

Module format	Compact module S7-400 single width
Width	25 mm
Height	290 mm
Depth	210 mm
Net weight	0.65 kg

Product features, product functions, product components / general

Number of units	
<ul style="list-style-type: none"> • per CPU / maximum 	14
<ul style="list-style-type: none"> • Note 	depending on CPU type

Performance data / open communication

Number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	32
Amount of data	
<ul style="list-style-type: none"> • as user data per connection / for open communication / by means of SEND/RECEIVE blocks / maximum 	240 byte

Performance data / FMS functions

Number of possible connections / for FMS connection / maximum	48
Amount of data / of the variables	
<ul style="list-style-type: none"> • for READ job / maximum 	237 byte
<ul style="list-style-type: none"> • for WRITE job / maximum 	233 byte
Number of variables	
<ul style="list-style-type: none"> • Configurable from server to FMS partner 	512
<ul style="list-style-type: none"> • Loadable from server to FMS partner 	2640

Performance data / S7 communication

Number of possible connections / for S7 communication	
<ul style="list-style-type: none"> • maximum 	48
Performance data / multi-protocol mode	
Number of possible connections / of which 2 reserved for PG/OP communication / with multi-protocol mode / maximum	59
Product functions / management, configuration, engineering	
Configuration software	
<ul style="list-style-type: none"> • required 	STEP 7 V5.2 SP1 or higher and NCM S7 for PROFIBUS
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)
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