

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
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