

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



Transmission 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

Permitted 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 / at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP20

Design, dimensions and weight

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

Product properties, functions, 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	
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- 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

Configuration software

- required

STEP 7 V5.2 SP1 or higher and NCM S7 for PROFIBUS

Accessories

Further Information / Internet Links

Internet-Link

- 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

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