

Product type designation	CP 443-5 Basic SIMATIC NET, CP 443-5 BASIC COMMUNICATIONS PROCESSOR FOR CONNECTING SIMATIC S7-400 TO PROFIBUS, FMS, S5- COMPATIBLE PG/OP AND S7 COMMUNICATION
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Transmission rate

Transfer rate	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> at the 1st interface / acc. to PROFIBUS 	1
Type of electrical connection	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> at 5 V 	5 %
Power loss [W]	6.5 W

Ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> during operation during storage during transport 	0 ... 60 °C -40 ... +70 °C -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 S7-400 single width
Width	25 mm
Height	290 mm
Depth	210 mm
Net weight	0.7 kg

Product properties, functions, components / general

Number of units	
<ul style="list-style-type: none"> • per CPU / maximum • Note 	<p>14</p> <p>depending on CPU type</p>
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 • for WRITE job / maximum 	<p>237 byte</p> <p>233 byte</p>
Number of variables	
<ul style="list-style-type: none"> • Configurable from server to FMS partner • Loadable from server to FMS partner 	<p>512</p> <p>2640</p>
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	
Configuration software	
<ul style="list-style-type: none"> • required 	STEP 7 V5.1 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 	<p>http://www.siemens.com/snst</p> <p>http://www.siemens.com/simatic-net</p> <p>https://mall.industry.siemens.com</p> <p>http://www.siemens.com/industry/infocenter</p> <p>http://automation.siemens.com/bilddb</p> <p>http://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p>

Security information

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