

### product type designation



### CP 443-1

\*\*\*\*\* spare part \*\*\*\*\* communications processor CP 443-1 for connection of SIMATIC S7-400 to industrial Ethernet via ISO/TCP/IP and UDP, S7 communication, fetch/write, diagnostics extensions, send/receive, with and without RFC1006, multicast, NTP, initialization via LAN, access protection via IP access list 10/100 Mbit

transfer rate	
transfer rate	
<ul style="list-style-type: none"> <li>at the 1st interface</li> </ul>	10 ... 100 Mbit/s
interfaces	
number of interfaces / acc. to Industrial Ethernet	1
number of electrical connections	
<ul style="list-style-type: none"> <li>at the 1st interface / acc. to Industrial Ethernet</li> </ul>	1
type of electrical connection	
<ul style="list-style-type: none"> <li>of Industrial Ethernet interface</li> <li>at the 1st interface / acc. to Industrial Ethernet</li> </ul>	15 pin Sub-D-socket (10Mbit/s AUI, 10/100 Mbit/s ITP) RJ45 port / AUI
design of the removable storage	
<ul style="list-style-type: none"> <li>C-PLUG</li> </ul>	No
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"> <li>at 5 V</li> </ul>	5 %
consumed current	
<ul style="list-style-type: none"> <li>from backplane bus / at DC / at 5 V / typical</li> </ul>	1.4 A
power loss [W]	8.6 W
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>	0 ... 60 °C -40 ... +70 °C -40 ... +70 °C
relative humidity	
<ul style="list-style-type: none"> <li>at 25 °C / without condensation / during operation / maximum</li> </ul>	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	0.7 kg

product features, product functions, product components / general	
number of units	
<ul style="list-style-type: none"> <li>per CPU / maximum</li> </ul>	14
performance data / open communication	
number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	64
data volume	
<ul style="list-style-type: none"> <li>as user data per ISO connection / for open communication / by means of SEND/RECEIVE blocks / maximum</li> </ul>	8 Kibyte
<ul style="list-style-type: none"> <li>as user data per ISO on TCP connection / for open communication / by means of SEND/RECEIVE blocks / maximum</li> </ul>	8 Kibyte
<ul style="list-style-type: none"> <li>as user data per TCP connection / for open communication / by means of SEND/RECEIVE blocks / maximum</li> </ul>	8 Kibyte
<ul style="list-style-type: none"> <li>as user data per UDP connection / for open IE communication / by means of SEND/RECEIVE blocks / maximum</li> </ul>	2 Kibyte
performance data / S7 communication	
number of possible connections / for S7 communication	
<ul style="list-style-type: none"> <li>maximum</li> </ul>	48
performance data / multi-protocol mode	
number of active connections / with multi-protocol mode	64
product functions / management, configuration, engineering	
product function / MIB support	No
protocol / is supported	
<ul style="list-style-type: none"> <li>SNMP v1</li> </ul>	No
<ul style="list-style-type: none"> <li>LLDP</li> </ul>	No
configuration software	
<ul style="list-style-type: none"> <li>required</li> </ul>	STEP 7 V5.1 SP2 or higher
product functions / diagnostics	
product function / web-based diagnostics	No
product functions / switch	
product feature / switch	No
product functions / redundancy	
product function	
<ul style="list-style-type: none"> <li>ring redundancy</li> </ul>	No
product functions / security	
product function	
<ul style="list-style-type: none"> <li>password protection for Web applications</li> </ul>	No
<ul style="list-style-type: none"> <li>ACL - IP-based</li> </ul>	No
<ul style="list-style-type: none"> <li>ACL - IP-based for PLC/routing</li> </ul>	No
<ul style="list-style-type: none"> <li>switch-off of non-required services</li> </ul>	No
<ul style="list-style-type: none"> <li>blocking of communication via physical ports</li> </ul>	No
<ul style="list-style-type: none"> <li>log file for unauthorized access</li> </ul>	No
product functions / time	
product function / SICLOCK support	Yes
product function / pass on time synchronization	No
protocol / is supported	
<ul style="list-style-type: none"> <li>NTP</li> </ul>	Yes
further information / internet-Links	
Internet-Link	
<ul style="list-style-type: none"> <li>to web page: selection aid TIA Selection Tool</li> </ul>	<a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a>
<ul style="list-style-type: none"> <li>to website: Industrial communication</li> </ul>	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
<ul style="list-style-type: none"> <li>to website: Industry Mall</li> </ul>	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
<ul style="list-style-type: none"> <li>to website: Information and Download Center</li> </ul>	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
<ul style="list-style-type: none"> <li>to website: Image database</li> </ul>	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
<ul style="list-style-type: none"> <li>to website: CAx-Download-Manager</li> </ul>	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>

- to website: Industry Online Support

<https://support.industry.siemens.com>

## security information

security information

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