

### Product type designation

### CP 443-1 RNA

Communications processor CP 443-1 RNA; 1x 10/100 Mbit/s RJ45 port; ISO; S7-, H-communic., open comm. (SEND/RECEIVE); S7 routing; 2x 100 Mbit/s RJ 45 port: PRP; ISO; ISO-on-TCP; TCP; UDP S7, H-communic., open comm. (SEND/RECEIVE); S7 routing; time synchronization; IP Access Control List; Web diagnostics; SNMPV1



### Transfer rate

#### Transfer rate

- |                        |                   |
|------------------------|-------------------|
| • at the 1st interface | 10 ... 100 Mbit/s |
| • at the 2nd interface | 100 Mbit/s        |

### Interfaces

#### Number of interfaces / acc. to Industrial Ethernet

3

#### Number of electrical connections

- |  |   |
|--|---|
| • at the 1st interface / acc. to Industrial Ethernet | 1 |
| • at the 2nd interface / acc. to Industrial Ethernet | 2 |

#### Type of electrical connection

- |  |           |
|--|-----------|
| • at the 1st interface / acc. to Industrial Ethernet | RJ45 port |
| • at the 2nd interface / acc. to Industrial Ethernet | RJ45 port |

### Supply voltage, current consumption, power loss

#### Type of voltage / of the supply voltage

DC

#### Supply voltage / 1 / from backplane bus

5 V

#### Relative symmetrical tolerance / at DC

- |          |     |
|----------|-----|
| • at 5 V | 5 % |
|----------|-----|

Consumed current	
<ul style="list-style-type: none"> <li>• from backplane bus / at DC / at 5 V / typical</li> </ul>	1.8 A
Power loss [W]	9 W

### Ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	0 ... 60 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-40 ... +70 °C
<ul style="list-style-type: none"> <li>• during transport</li> </ul>	-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
Amount of data	
<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
Number of possible connections / for open communication	
<ul style="list-style-type: none"> <li>• by means of T blocks / maximum</li> </ul>	64
Amount of data	

- as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum

1452 byte

#### Performance data / S7 communication

Number of possible connections / for S7 communication

- maximum
- with PG connections / maximum

128; when using several CPUs

2

#### Performance data / multi-protocol mode

Number of active connections / with multi-protocol mode

128

#### Product functions / management, configuration, engineering

Protocol / is supported

- SNMP v1
- DCP

Yes

Yes

Configuration software

- required

STEP 7 V5.5 SP2 + HSP or higher

#### Product functions / Diagnostics

Product function / Web-based diagnostics

Yes

#### Product functions / redundancy

Product function

- Ring redundancy
- Redundancy manager
- Parallel Redundancy Protocol (PRP)/operation in the PRP-network
- High-availability Seamless Redundancy (HSR) and Parallel Redundancy Protocol (PRP) coupling

No

No

Yes

No

Protocol / is supported / Media Redundancy Protocol (MRP)

No

#### Product functions / Security

Product function

- ACL - IP-based
- ACL - IP-based for PLC/routing
- switch-off of non-required services
- Blocking of communication via physical ports
- log file for unauthorized access

Yes

Yes

Yes

Yes

No

#### Product functions / time

Product function / SICLOCK support

Yes

Product function / pass on time synchronization

Yes

Protocol / is supported

- NTP
- NTP (secure)

Yes

Yes

## 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

### Security information

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**last modified:**

05/12/2020