

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 RJ45 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 / according to Industrial Ethernet	3
number of electrical connections	
• at the 1st interface / according to Industrial Ethernet	1
• at the 2nd interface / according to Industrial Ethernet	2
type of electrical connection	
• at the 1st interface / according to Industrial Ethernet	RJ45 port
• at the 2nd interface / according 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	
• from backplane bus / at DC / at 5 V / typical	1.8 A
power loss [W]	9 W
ambient conditions	
ambient temperature	
• during operation	0 ... 60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
relative humidity	
• 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	0.7 kg
product features, product functions, product components / general	
number of units	
• per CPU / maximum	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"> as user data per ISO connection / for open communication / by means of SEND/RECEIVE blocks / maximum 	8 Kibyte
<ul style="list-style-type: none"> as user data per ISO on TCP connection / for open communication / by means of SEND/RECEIVE blocks / maximum 	8 Kibyte
<ul style="list-style-type: none"> as user data per TCP connection / for open communication / by means of SEND/RECEIVE blocks / maximum 	8 Kibyte
<ul style="list-style-type: none"> as user data per UDP connection / for open IE communication / by means of SEND/RECEIVE blocks / maximum 	2 Kibyte
number of possible connections / for open communication	
<ul style="list-style-type: none"> by means of T blocks / maximum 	64
data volume	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> maximum 	128; when using several CPUs
<ul style="list-style-type: none"> with PG connections / maximum 	2
performance data / multi-protocol mode	
number of active connections / with multi-protocol mode	128
product functions / management, configuration, engineering	
protocol / is supported	
<ul style="list-style-type: none"> SNMP v1 	Yes
<ul style="list-style-type: none"> DCP 	Yes
configuration software	
<ul style="list-style-type: none"> required 	STEP 7 V5.5 SP2 + HSP or higher
product function / is supported / identification link	Yes
product functions / diagnostics	
product function / web-based diagnostics	Yes
product functions / redundancy	
product function	
<ul style="list-style-type: none"> ring redundancy 	No
<ul style="list-style-type: none"> redundancy manager 	No
<ul style="list-style-type: none"> Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	Yes
<ul style="list-style-type: none"> High-availability Seamless Redundancy (HSR) and Parallel Redundancy Protocol (PRP) coupling 	No
protocol / is supported / Media Redundancy Protocol (MRP)	No
product functions / security	
product function	
<ul style="list-style-type: none"> ACL - IP-based 	Yes
<ul style="list-style-type: none"> ACL - IP-based for PLC/routing 	Yes
<ul style="list-style-type: none"> switch-off of non-required services 	Yes
<ul style="list-style-type: none"> blocking of communication via physical ports 	Yes
<ul style="list-style-type: none"> log file for unauthorized access 	No
product functions / time	
product function / SICLOCK support	Yes
product function / pass on time synchronization	Yes
protocol / is supported	
<ul style="list-style-type: none"> NTP 	Yes
<ul style="list-style-type: none"> NTP (secure) 	Yes
standards, specifications, approvals / hazardous environments	
certificate of suitability / CCC / for hazardous zone according to GB standard	Yes
<ul style="list-style-type: none"> as marking 	Ex nA IIC T4 Gc
further information / internet links	
internet link	
<ul style="list-style-type: none"> to web page: selection aid TIA Selection Tool 	http://www.siemens.com/tia-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/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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