


Product-type designation	
<div>  </div>	
<b>CP 443-1</b> SIMATIC NET CP 443-1 2 X 10/100 MBIT/S (IE SWITCH); RJ 45 PORTS; ISO; TCP; UDP; PROFINET-IO CONTROLLER; S7-COMMUNICATION; OPEN COMMUNICATION (SEND/RE-CEIVE); S7-ROUTING; IP-CONFIGURATION VIA DHCP/BLOCK; IP ACCESS CONTROL LIST; TIME- SYNCHRONISATION; EXTENDED WEB-DIAGNOSIS; FAST STARTUP; PROFIENERGY SUPPORT	
Transmission rate	
Transfer rate / at the interface 1	10 ... 100 Mbit/s
Interfaces	
Number of electrical connections / at interface 1 / in accordance with Industrial Ethernet	2
Design of electrical connection / at interface 1 / in accordance with Industrial Ethernet	RJ45 port
Supply voltage, current consumption, power loss	
Type of / supply voltage	DC
Supply voltage / 1 / from backplane bus	5 V
Relative symmetrical tolerance / at 5 V / with DC	5 %
Consumed current / from backplane bus / at 5 V / for DC / Typical	1.4 A
Resistive loss	8.6 W
Permitted ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> <li>during operating</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 / at 25 °C / without condensation / during operating / 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 modules	
• per CPU / maximum	14
• note	max. 4 as PN IO ctrl.
<b>Performance data / open communication</b>	
Number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	64
Data volume	
• as user data per ISO connection / for open communication / by means of SEND/RECEIVE blocks / maximum	8 Kibyte
• as user data per ISO on TCP connection / for open communication / by means of SEND/RECEIVE blocks / maximum	8 Kibyte
• as user data per TCP connection / for open communication / by means of SEND/RECEIVE blocks / maximum	8 Kibyte
• 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 / by means of T blocks / maximum	64
Data volume / as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum	1452 byte
<b>Performance data / S7 communication</b>	
Number of possible connections / for S7 communication	
• maximum	128
• with PG connections / maximum	2
• note	when using several CPUs
<b>Performance data / multi-protocol mode</b>	
Number of active connections / with multiprotocol mode	128
<b>Performance data / PROFINET communication / as PN IO-Controller</b>	
Product function / PROFINET IO controller	Yes
Number of PN IO-Devices / on PROFINET IO-Controller / usable / total	128
Number of PN IO IRT-Devices / on PROFINET IO-Controller / usable	64
Number of external PN IO lines / with PROFINET / per rack	4
Data volume	

<ul style="list-style-type: none"> <li>• as useful data for input variables / as PROFINET IO controller / maximum</li> </ul>	4 Kibyte
<ul style="list-style-type: none"> <li>• as useful data for output variables / with PROFINET IO controller / maximum</li> </ul>	4 Kibyte
<ul style="list-style-type: none"> <li>• as useful data for input variables per PN IO device / with PROFINET IO controller / maximum</li> </ul>	1433 byte
<ul style="list-style-type: none"> <li>• as useful data for output variables per PN IO device / with PROFINET IO controller / maximum</li> </ul>	1433 byte
<ul style="list-style-type: none"> <li>• as user data for input variable per PN IO device / per submodule as PROFINET IO controller / maximum</li> </ul>	240 byte
<ul style="list-style-type: none"> <li>• as user data for output variables per PN IO device / per submodule as PROFINET IO controller / maximum</li> </ul>	240 byte
<b>Product functions / management, configuration</b>	
Product function / MIB support	Yes
Protocol / is supported	
<ul style="list-style-type: none"> <li>• SNMP v1</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• DCP</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• LLDP</li> </ul>	Yes
<b>Product functions / Diagnosis</b>	
Product function / Web-based diagnostics	Yes
<b>Product functions / switch</b>	
Product feature / switch	Yes
Product function	
<ul style="list-style-type: none"> <li>• switch-managed</li> </ul>	No
<ul style="list-style-type: none"> <li>• for IRT / PROFINET IO switch</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Configuration with STEP 7</li> </ul>	Yes
<b>Product functions / Redundancy</b>	
Product function	
<ul style="list-style-type: none"> <li>• Ring redundancy</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Redundancy manager</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Media Redundancy Protocol (MRP)</li> </ul>	Yes
<b>Product functions / Security</b>	
Product function	
<ul style="list-style-type: none"> <li>• ACL - IP-based</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• switchoff of non-required services</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• blocking of communication via physical ports</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• log file for unauthorized access</li> </ul>	No
<b>Product functions / Time</b>	
Product function	
<ul style="list-style-type: none"> <li>• SICLOCK support</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• pass on time synchronization</li> </ul>	Yes

Protocol / is supported / NTP

Yes

**letzte Änderung:**

Apr 28, 2014