# **SIEMENS**

## Data sheet

## 6GK7542-6UX00-0XE0

## Product type designation



### CP 1542SP-1

Communications processor CP 1542SP-1 for connection of an SIMATIC S7-ET 200SP to Industrial Ethernet; open IE communication (TCP/IP, ISO-on-TCP, UDP), PG/OP, S7 routing, IP broadcast/multicast, SNMPV1, DHCP, Email, IPV4/IPV6, time-of-day synchronization via NTP, access to web server of CPU, BusAdapters required

Transmission rate	
Transfer rate	
• at the 1st interface	10 100 Mbit/s
Interferen	
Interfaces	
Number of interfaces / acc. to Industrial Ethernet	1
Number of electrical connections	
• at the 1st interface / acc. to Industrial Ethernet	2
Type of electrical connection	
• at the 1st interface / acc. to Industrial Ethernet	via ET 200SP bus adapter (RJ45, FC, SCRJ), integrated switch
Supply voltage, current consumption, power loss	
Type of voltage / of the supply voltage	DC
Supply voltage	24 V
Supply voltage	19.2 28.8 V
Power loss [W]	6 W
Permitted ambient conditions	
Ambient temperature	
• for vertical installation / during operation	0 50 °C

<ul><li>for horizontally arranged busbars / during</li></ul>	0 60 °C	
operation		
<ul><li>during storage</li></ul>	-40 +70 °C	
<ul> <li>during transport</li> </ul>	-40 +70 °C	
Relative humidity / at 25 °C / without condensation /	95 %	
during operation / maximum		
Protection class IP	IP20	
Design, dimensions and weight		
Width	60 mm	
Height	117 mm	
Depth	74 mm	
Net weight	0.18 kg	
Mounting type		
• 35 mm DIN rail mounting	Yes	
Product properties, functions, components / general		
Number of units		
• per CPU / maximum	2	
Note	2 CPs can be pluged in per CPU, simultaneous operation with BA	
	Send and CM DP is possible	
D-f		
Performance data / open communication  Number of possible connections / for open		
communication		
by means of T blocks / maximum	32	
Amount of data	02	
	65536 byte	
<ul> <li>as user data per ISO on TCP connection / for open communication / by means of T blocks /</li> </ul>	00000 Dyle	
maximum		
Performance data / S7 communication		
Number of possible connections / for S7 communication		
• maximum	16	
with OP connections / maximum	16	
Performance data / multi-protocol mode		
Number of active connections / with multi-protocol	32	
mode		
<b>5</b> 1 16 11 1825	.,	
Product function / MIB support	Yes	
Product function / MIB support  Protocol / is supported		
* *	Yes	
Protocol / is supported		

• LLDP

Configuration software

Yes

• required	STEP 7 Professional V14 (TIA Portal) or higher
Identification & maintenance function	
<ul> <li>I&amp;M0 - device-specific information</li> </ul>	Yes
<ul> <li>I&amp;M1 – higher-level designation/location designation</li> </ul>	Yes

## Product functions / Diagnosis

Product function / Web-based diagnostics

Yes; yes, via ET 200SP CPU

## Product functions / Security

#### Product function

Blocking of communication via physical ports

Yes

## Product functions / Time

Product function / SICLOCK support	Yes
Product function / pass on time synchronization	No
Protocol / is supported	
• NTP	Yes
• NTP (secure)	No
time synchronization	
• from NTP-server	Yes

#### Accessories

#### 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

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Security information

Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Thirdparty products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4)

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