# **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, bus adapter required.

transfer rate	
transfer rate	
at the 1st interface	10 100 Mbit/s
interfaces	
number of interfaces / according to Industrial Ethernet	1
number of electrical connections	
at the 1st interface / according to Industrial Ethernet	2
type of electrical connection	
at the 1st interface / according 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
ambient conditions	
ambient temperature	
<ul> <li>for vertical installation / during operation</li> </ul>	-30 +50 °C
<ul> <li>for horizontally arranged busbars / during operation</li> </ul>	-30 +60 °C
during storage	-40 +70 °C
during transport	-40 +70 °C
relative humidity	
<ul> <li>at 25 °C / without condensation / during operation / maximum</li> </ul>	95 %
protection class IP	IP20
design, dimensions and weights	
width	60 mm
height	117 mm
depth	74 mm
net weight	0.18 kg
fastening method	
35 mm DIN-rail mounting	Yes
product features, product functions, product 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
performance data / open communication	
number of possible connections / for open communication	
<ul> <li>by means of T blocks / maximum</li> </ul>	32

65536 byte  16 16 32 Yes Yes No Yes
16 16 32 Yes Yes
16 32 Yes No
32 Yes Yes No
Yes Yes No
Yes Yes No
Yes No
Yes No
No
No
Yes
V/
Yes
STEP 7 Professional V14 (TIA Portal) or higher
Yes
Yes
Yes; via ET 200SP CPU
Yes
Yes
No
Yes
No
Yes
KEC
laration
Yes
165
207.05 kg
207.05 kg
19.13 kg
187.74 kg
0.18 kg
https://support.industry.siemens.com/cs/ww/en/view/109766358
https://www.siemens.com/tstcloud
https://www.siemens.com/simatic-net
https://sieportal.siemens.com/
https://www.automation.siemens.com/bilddb
https://siemens.com/cax
https://support.industry.siemens.com
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#### Approvals / Certificates

**General Product Approval** 



Declaration of Conformity









General Product Approval

For use in hazardous locations

Environment







CCC-Ex

Confirmation



last modified:

2/28/2025