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.

product brand name	SIMATIC NET
Technical Product Detail Page	https://i.siemens.com/1P6GK7542-6UX00-0XE0
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	
● for vertical installation / during operation	-30 ... +50 °C
● for horizontally arranged busbars / during operation	-30 ... +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	
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

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performance data / open communication	
number of possible connections / for open communication	
● by means of T blocks / maximum	32
data volume	
● as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum	65536 byte
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 mode	32
product functions / management, configuration, engineering	
product function / MIB support	Yes
protocol / is supported	
● SNMP v1	Yes
● SNMP v3	No
● DCP	Yes
● LLDP	Yes
configuration software	
● required	STEP 7 Professional V14 (TIA Portal) or higher
identification & maintenance function	
● I&M0 - device-specific information	Yes
● I&M1 - higher level designation/location designation	Yes
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
product functions / diagnostics	
product function / web-based diagnostics	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
standards, specifications, approvals	
certificate of suitability / CE marking	Yes
certificate of suitability / UKCA marking	Yes
certificate of suitability / Regulatory Compliance Mark (RCM)	Yes
certificate of suitability / RoHS conformity	Yes
certificate of suitability / EAC approval	Yes
standards, specifications, approvals / hazardous environments / header	
certificate of suitability / ATEX	Yes
certificate of suitability / IECEx	Yes
certificate of suitability / CCC / for hazardous zone according to GB standard	Yes
certificate of suitability / FM registration	Yes
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
● total	207.05 kg
● during manufacturing	19.13 kg
● during operation	187.74 kg
● after end of life	0.18 kg
further information / internet links	
internet link	

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