



Figure similar

SIPLUS NET CP 1242-7 V2 -40...+70 °C with conformal coating based on 6GK7242-7KX31-0XE0 . Communications processor CP 1242-7 V2 for connection of SIMATIC S7-1200 to GSM/GPRS network; Web server access to CPU, data point configuration  
Observe national approvals

transfer rate	
transfer rate	
• for GPRS transmission	
— with downlink / maximum	86 kbit/s
— with uplink / maximum	43 kbit/s
interfaces	
number of interfaces / acc. to Industrial Ethernet	0
number of electrical connections	
• for external antenna(s)	1
• for power supply	1
number of slots	
• for SIM cards	1
type of electrical connection	
• for external antenna(s)	SMA socket (50 ohms)
• for power supply	3-pole terminal block
slot version	
• for SIM card	Standard

## wireless technology

type of mobile wireless service	
• is supported / SMS	Yes
• is supported / GPRS	Yes
• note	GPRS (Multislot Class 10)
type of mobile network / is supported	
• GSM	Yes
• UMTS	No
• LTE	No
operating frequency	
• 850 MHz	Yes
• 900 MHz	Yes
• 1800 MHz	Yes
• 1900 MHz	Yes
transmit power	
• at operating frequency 900 MHz	2 W
• at operating frequency 1800 MHz	1 W
• at operating frequency 1900 MHz	1 W

## supply voltage, current consumption, power loss

type of voltage / of the supply voltage	DC
supply voltage / external	24 V
supply voltage / external / at DC / rated value	24 V
relative positive tolerance / at DC / at 24 V	20 %
relative negative tolerance / at DC / at 24 V	20 %
consumed current	
• from external supply voltage / at DC / at 24 V / typical	0.1 A
• from external supply voltage / at DC / at 24 V / maximum	0.22 A
power loss [W]	2.4 W

## ambient conditions

ambient temperature	
• for vertical installation / during operation	-40 ... +60 °C
• for horizontally arranged busbars / during operation	-40 ... +70 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
installation altitude / at height above sea level / maximum	5000 m

ambient condition / relating to ambient temperature - air pressure - installation altitude	Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m) // Tmin ... (Tmax - 10 K) at 795 hPa ... 658 hPa (+2 000 m ... +3 500 m) // Tmin ... (Tmax - 20 K) at 658 hPa ... 540 hPa (+3 500 m ... +5 000 m)
relative humidity <ul style="list-style-type: none"> <li>• with condensation / acc. to IEC 60068-2-38 / maximum</li> </ul>	100 %; RH including condensation/frost (no commissioning when condensation is present), horizontal installation
chemical resistance / to commercially available cooling lubricants	Yes; incl. airborne diesel and oil droplets
resistance to biologically active substances <ul style="list-style-type: none"> <li>• conformity acc. to EN 60721-3-3</li> <li>• conformity acc. to EN 60721-3-6</li> </ul>	Yes; Class 3B2 mold and fungal spores (excluding fauna), Class 3B3 on request Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna)
resistance to chemically active substances <ul style="list-style-type: none"> <li>• conformity acc. to EN 60721-3-3</li> <li>• conformity acc. to EN 60721-3-6</li> </ul>	Yes; Class 3C4 (RH < 75 %) incl. salt spray in accordance with EN 60068-2-52 (Severity 3). The supplied plug covers must remain in place on the unused interfaces during operation. Yes
resistance to mechanically active substances <ul style="list-style-type: none"> <li>• conformity acc. to EN 60721-3-3</li> <li>• conformity acc. to EN 60721-3-6</li> </ul>	Yes; Class 3S4 incl. sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation. Yes; Class 6S3 incl. sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation.
coating / for equipped printed circuit board / acc. to EN 61086	Yes; Class 2 for high availability
type of coating / protection against pollution according to EN 60664-3	Yes; Protection of the type 1
type of test / of the coating / acc. to MIL-I-46058C	Yes; Coating discoloration during service life possible
product conformity / of the coating / Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies acc. to IPC-CC-830A	Yes; Conformal coating, class A
protection class IP	IP20

#### design, dimensions and weights

module format	Compact module S7-1200 single width
width	30 mm
height	100 mm
depth	75 mm
net weight	0.133 kg
mounting type <ul style="list-style-type: none"> <li>• 35 mm DIN rail mounting</li> <li>• S7-300 rail mounting</li> <li>• wall mounting</li> </ul>	Yes No Yes

#### product features, product functions, product components / general

number of units	
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- per CPU / maximum

3

#### performance data

number of users/telephone numbers / definable / maximum

10

#### performance data / open communication

number of possible connections / for open communication

- by means of T blocks / maximum

like CPU

#### performance data / IT functions

number of possible connections

- as e-mail client / maximum

1

#### performance data / telecontrol

control center connection

- by means of a permanent connection
- by means of demand-oriented connection
- note

Telecontrol Server Basic

supported

supported

Connection to SCADA system using OPC interface

protocol / is supported

- DNP3
- IEC 60870-5

No

No

product function / data buffering if connection is aborted

Yes; 64,000 events

number of stations / for direct communication / with Telecontrol Server Basic

- in send direction / maximum
- in receive direction / maximum

3

15

#### performance data / teleservice

diagnostics function / online diagnostics with SIMATIC STEP 7

Yes

product function

- program download with SIMATIC STEP 7
- remote firmware update

Yes

Yes

#### product functions / management, configuration, engineering

configuration software

- required

STEP 7 Basic/Professional

#### product functions / diagnostics

product function / web-based diagnostics

Yes

#### product functions / security

product function

- password protection for teleservice access
- encrypted data transmission

Yes

Yes

product functions / time	
protocol / is supported <ul style="list-style-type: none"><li>• NTP</li></ul>	Yes
time synchronization <ul style="list-style-type: none"><li>• from control center</li></ul>	Yes
further information / internet-Links	
Internet-Link <ul style="list-style-type: none"><li>• to website: Selector TIA Selection Tool</li><li>• to website: Industrial communication</li><li>• to website: Industry Mall</li><li>• to website: Information and Download Center</li><li>• to website: Image database</li><li>• to website: CAx Download Manager</li><li>• to website: Industry Online Support</li></ul>	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a> <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a> <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a> <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a> <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a> <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
security information	
security information	<p>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. Third-party products that may be in use should also be considered. For more information about industrial security, visit <a href="http://www.siemens.com/industrialsecurity">http://www.siemens.com/industrialsecurity</a>. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <a href="http://support.automation.siemens.com">http://support.automation.siemens.com</a>. (V3.4)</p>

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