

<b>Product type designation</b>	<b>SIPLUS S7-1200 CP 1242-7</b> "SIPLUS S7-1200 CP 1242-7;" with conformal coating based on 6GK7242-7KX30-0XE0 . Communications processor CP 1242-7 for connection of SIMATIC S7-1200 to GSM/GPRS network
<b>Transmission rate</b>	
Transfer rate	
<ul style="list-style-type: none"> <li>• for GPRS transmission             <ul style="list-style-type: none"> <li>— with downlink / maximum 86 kbit/s</li> <li>— with uplink / maximum 43 kbit/s</li> </ul> </li> </ul>	
<b>Interfaces</b>	
Number of interfaces / acc. to Industrial Ethernet	0
Number of electrical connections	
<ul style="list-style-type: none"> <li>• for external antenna(s) 1</li> <li>• for power supply 1</li> </ul>	
Number of slots	
<ul style="list-style-type: none"> <li>• for SIM cards 1</li> </ul>	
Type of electrical connection	
<ul style="list-style-type: none"> <li>• for external antenna(s) SMA socket (50 ohms)</li> <li>• for power supply 3-pole terminal block</li> </ul>	
Slot version	
<ul style="list-style-type: none"> <li>• for SIM card Standard</li> </ul>	
<b>Wireless technology</b>	
Type of mobile wireless service	
<ul style="list-style-type: none"> <li>• is supported / SMS Yes</li> <li>• is supported / GPRS Yes</li> <li>• Note GPRS (Multislot Class 10)</li> </ul>	
Type of mobile network / is supported	
<ul style="list-style-type: none"> <li>• GSM Yes</li> <li>• UMTS No</li> <li>• LTE No</li> </ul>	
Operating frequency	
<ul style="list-style-type: none"> <li>• 850 MHz Yes</li> <li>• 900 MHz Yes</li> <li>• 1800 MHz Yes</li> <li>• 1900 MHz Yes</li> </ul>	
Transmit power	
<ul style="list-style-type: none"> <li>• at operating frequency 900 MHz 2 W</li> </ul>	

- at operating frequency 1800 MHz
- at operating frequency 1900 MHz

1 W

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	
<ul style="list-style-type: none"> <li>• from external supply voltage / at DC / at 24 V / typical</li> </ul>	0.1 A
<ul style="list-style-type: none"> <li>• from external supply voltage / at DC / at 24 V / maximum</li> </ul>	0.22 A
Power loss [W]	2.4 W

### Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>• for vertical installation / during operation</li> </ul>	0 ... 45 °C
<ul style="list-style-type: none"> <li>• for horizontally arranged busbars / during operation</li> </ul>	0 ... 55 °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 / with condensation / maximum	100 %; r.F., incl. condensation/frost permitted (no commissioning in bedewed state)
Resistance to biologically active substances	
<ul style="list-style-type: none"> <li>• conformity acc. to EN 60721-3-3</li> </ul>	Yes; Compliance with EN 60721-3-3, Class 3B2 mold, fungus, and sponge spores (except fauna). The supplied plug covers must remain in place over the unused interfaces during operation!
Resistance to chemically active substances	
<ul style="list-style-type: none"> <li>• conformity acc. to EN 60721-3-3</li> </ul>	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3). The supplied plug covers must remain in place over the unused interfaces during operation!
Resistance to mechanically active substances	
<ul style="list-style-type: none"> <li>• conformity acc. to EN 60721-3-3</li> </ul>	Yes; Class 3S4 incl. sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation!
Protection class IP	IP20

### Design, dimensions and weight

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> </ul>	Yes

- S7-300 rail mounting
- wall mounting

No  
Yes

#### Product properties, functions, components / general

Number of units

- per CPU / maximum

3

#### Performance data / open communication

Number of possible connections / for open communication

- by means of TC blocks / maximum

5

Amount of data

- as user data per polling / maximum

1024 byte

#### 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; up to 1000 message frames

Amount of data / as user data per station / in telecontrol mode / maximum

2048 byte

#### Performance data / Teleservice

Diagnostics function / online diagnostics with SIMATIC STEP 7

Yes

Product function

- program download with SIMATIC STEP 7
- Remote firmware update

Yes  
No

Configuration software

- required

STEP 7 Basic/Professional V11 + HSP (TIA Portal) or higher

#### Product functions / Security

Product function

- password protection for teleservice access
- encrypted data transmission

Yes  
Yes

#### Product functions / Time

Protocol / is supported

- NTP

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>

#### Security information

##### 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. Third-party 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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