

product type designation



CP 1243-7 LTE EU

Communications processor CP 1243-7 LTE EU for Connection of SIMATIC S7-1200 to LTE network in European frequency range.

transfer rate

transfer rate	
<ul style="list-style-type: none"> for LTE transmission 	
— with downlink / maximum	42 Mbit/s
— with uplink / maximum	5.76 Mbit/s

interfaces

number of interfaces / according to Industrial Ethernet	0
number of electrical connections	
<ul style="list-style-type: none"> for external antenna(s) 	1
<ul style="list-style-type: none"> for power supply 	1
number of slots	
<ul style="list-style-type: none"> for SIM cards 	1
type of electrical connection	
<ul style="list-style-type: none"> for external antenna(s) 	SMA socket (50 ohms)
<ul style="list-style-type: none"> for power supply 	3-pole terminal block
slot version	
<ul style="list-style-type: none"> for SIM card 	Standard

wireless technology

type of mobile wireless service / is supported	
<ul style="list-style-type: none"> SMS 	Yes
<ul style="list-style-type: none"> GPRS 	Yes
<ul style="list-style-type: none"> 	GPRS (Multislot Class 10)
type of wireless network / is supported	
<ul style="list-style-type: none"> GSM 	Yes
<ul style="list-style-type: none"> UMTS 	Yes
<ul style="list-style-type: none"> LTE 	Yes
operating frequency / for GSM transmission	900 MHz, 1800 MHz
operating frequency / with UMTS transmission	900 MHz, 2100 MHz
operating frequency / for LTE transmission	800 MHz, 1800 MHz, 2600 MHz

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"> from external supply voltage / at DC / at 24 V / typical 	0.1 A
<ul style="list-style-type: none"> from external supply voltage / at DC / at 24 V / maximum 	0.22 A

ambient conditions

ambient temperature	
• for vertical installation / during operation	-20 ... +60 °C
• for horizontally arranged busbars / during operation	-20 ... +70 °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	
module format	Compact module S7-1200 single width
width	30 mm
height	100 mm
depth	75 mm
net weight	0.133 kg
fastening method	
• 35 mm DIN-rail mounting	Yes
• S7-300 rail mounting	No
• wall mounting	Yes
product features, product functions, product components / general	
number of units	
• per CPU / maximum	3
product functions / cloud connectivity	
protocol / is supported	
• Message Queuing Telemetry Transport (MQTT)	Yes
• Advanced Message Queuing Protocol (AMQP)	No
product function / for cloud connectivity	
• trigger management	Yes
• time stamping	Yes
product feature / for cloud connectivity / buffered message frame memory	No
number of active connections / for cloud connectivity	1
number of data points per device / maximum	500
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 email client / maximum	1
performance data / telecontrol	
suitability for use	
• substation	Yes
control center connection	Telecontrol Server Basic
• by means of a permanent connection	supported
• by means of demand-oriented connection	supported
• note	Connection to SCADA system using OPC interface
protocol / is supported	
• DNP3	Yes
• IEC 60870-5	Yes
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	3
• in receive direction / maximum	15
performance data / teleservice	
diagnostics function / online diagnostics with SIMATIC STEP 7	Yes
product function	
• program download with SIMATIC STEP 7	Yes
• remote firmware update	Yes

product functions / management, configuration, engineering		
configuration software		
• required	STEP 7 Basic/Professional	
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022	
product functions / diagnostics		
product function / web-based diagnostics	Yes	
product functions / security		
firewall version	stateful inspection	
product function / with VPN connection	IPsec, SINEMA RC	
type of encryption algorithms / with VPN connection	AES-256, AES-192, AES-128, 3DES-168, DES-56	
type of authentication procedure / with VPN connection	Preshared key (PSK), X.509v3 certificates	
type of hashing algorithms / with VPN connection	MD5, SHA-1	
number of possible connections / with VPN connection	1	
product function		
• password protection for teleservice access	Yes	
• encrypted data transmission	Yes	
product functions / time		
protocol / is supported		
• NTP	Yes	
time synchronization		
• from control center	Yes	
standards, specifications, approvals		
reference code		
• according to IEC 81346-2:2019	KEC	
standards, specifications, approvals / Environmental Product Declaration		
global warming potential [CO2 eq]		
• total	180.78 kg	
• during manufacturing	15.34 kg	
• during operation	165.23 kg	
• after end of life	0.21 kg	
further information / internet links		
internet link		
• to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358	
• to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud	
• to website: Industrial communication	https://www.siemens.com/simatic-net	
• to web page: SiePortal	https://sieportal.siemens.com/	
• to website: Image database	https://www.automation.siemens.com/bilddb	
• to website: CAx-Download-Manager	https://siemens.com/cax	
• to website: Industry Online Support	https://support.industry.siemens.com	
security information		
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert . (V4.7)	
Approvals / Certificates		
General Product Approval		For use in hazardous locations



[Declaration of Con-
formity](#)



For use in hazardous locations

Radio Equipment
Type Approval Certi-
ficate

Environment



[CCC-Ex](#)

[Miscellaneous](#)

[Confirmation](#)

last modified:

2/28/2025