



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

transfer rate	
transfer rate	
for LTE transmission	
— with downlink / maximum	42 Mbit/s
— with uplink / maximum	5.76 Mbit/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 wireless network / is supported	
GSM	Yes
UMTS	Yes
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	
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
ambient conditions	
ambient temperature - for vertical installation / during operation - for horizontally arranged busbars / during operation - during storage - during transport	-20 ... +60 °C -20 ... +70 °C -40 ... +70 °C -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 top hat DIN rail mounting - S7-300 rail mounting - wall mounting	Yes No Yes
product features, product functions, product components / general	
number of units 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 email client / maximum	1
performance data / telecontrol	
suitability for use substation	Yes
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	
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 / hazardous environments	
certificate of suitability / CCC / for hazardous zone according to GB standard	Yes
further information / internet-Links	
Internet-Link	
• to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx-Download-Manager	http://www.siemens.com/cax
• to website: Industry Online Support	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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