SIEMENS

Data sheet

6GK7243-7SX30-0XE0

product type designation



CP 1243-7 LTE US

Communications processor CP 1243-7 LTE US for Connection of SIMATIC S7-1200 to LTE network in American frequency band

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		
• 850 MHz	Yes	
• 1900 MHz	Yes	
operating frequency / for LTE transmission	700 MHz, 1700 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 /	0.1 A	

* hom external supply voltage / at DC / at 24 V / ambient conditions ambient conditions ambient temperature * for vertical installation / during operation * of or horizontally arranged bushars / during operation * of or horizontally arranged bushars / during operation / auring storage * during transport * 40 + 70 ° C * 40 + 70 ° C * during transport * 125 ° C / without condensation / during operation / maximum protection class IP *		
meximum simblent conditions ambient temperature 4 of or vertical installation / during operation 6 or horizontally arranged busbars / during operation 4 outing storage 4 outing transport 4 outing transport 7 relative humstily 8 of 2 of / without condensation / during operation / maximum 95 vertical class IP 96 vertical class IP 97 vertical class IP 98 vertical class IP 98 vertical class IP 99 vertical class IP 90 vertical cla	typical	
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of notizontally arranged busbars / during operation	•	00
- during storage - during transport - du +70 °C relative humidly - at 25 °C / without condensation / during operation / maximum protection class IP - design, dimensions and weights - module format - design, dimensions and weights - module format - Compact module S7-1200 single width - width - 30 mm - height - depth - 75 mm - net weight - 33 mm to phat DIN rail mounting - 45 mm to phat DIN rail mounting - 45 mm to phat DIN rail mounting - 47-300 rail rail rail rail rail rail rail rail	<u> </u>	
elative humidity eat 25° C7 without condensation / during operation / maximum protection class IP design, dimensions and weights module format Compact module S7-1200 single width width 30 mm leight 100 mm degith 75 mm net weight 103 mm net weight 103 mm net weight 104 mm net weight 105 mm top hat DIN rail mounting 95 % 183-800 rail mounting No earl mounting No earl mounting Product factures, product functions, product components / general number of units e-per CPU / maximum performance data / open communication e-by means of T blocks / maximum performance data / IT functions number of possible connections e- as email client / maximum 1 performance data / telecontrol suitability for use e- substation e- by means of demand-oriented connection e- by means of demand-oriented connection e- total mounting / yes e- substation e- to ye means of demand-oriented connection e- total responsible connections of the connection of the supported e- total control center connection e- total center connection is aborted number of stations / for direct communication / with relections / server Pasic e- received in maximum e- total center connection is aborted number of stations / for direct communication / with relections / maximum e- in a cocal center center in maximum e- in a cocal center center in maximum e- in cacal center of maximum e- i		
relative humidity • at 25 °C / without condensation / during operation / modification class IP protection class IP iP20 design, dimensions and weights module format compact module S7-1200 single width width 30 mm height 100 mm depth 1		
e at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights module format width		-40 +/U *C
maximum 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 0.5 mm top hat DIN rail mounting Yes or S7-300 rail mounting No	,	05.0/
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• required STEP 7 Basic/Professional	 program download with SIMATIC STEP 7 remote firmware update 	Yes
	 program download with SIMATIC STEP 7 remote firmware update product functions / management, configuration, engineeri 	Yes
	 program download with SIMATIC STEP 7 remote firmware update product functions / management, configuration, engineeri configuration software 	Yes ng

mandrick from the control of the con	Ves
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 environ	ments
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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