SIEMENS

Data sheet

6GK7243-8RX30-0XE0

product type designation



CP 1243-8 IRC

Communications processor CP 1243-8 IRC for operating a SIMATIC S7-1200 in the TeleControl system Professional; for SINAUT ST7; DNP3; IEC60870-5, Station type: RTU; WAN connections: 1) Ethernet 2) Additionally expandable with TS module RS232 or TS module modem or TS module GSM or TS module ISDN; Operation with TIM modules possible

transfer rate	
transfer rate	
 at the 1st interface 	10 100 Mbit/s
• at the 2nd interface	0.3 115.2 kbit/s
interfaces	
number of interfaces / acc. to Industrial Ethernet	1
number of electrical connections	
 at the 1st interface / acc. to Industrial Ethernet 	1
 for power supply 	1
type of electrical connection	
 at the 1st interface / acc. to Industrial Ethernet 	RJ45 port
type of electrical connection	
 at interface 2 / for external data transmission 	Interface to the TS Module
 for power supply 	3-pole terminal block
supply voltage, current consumption, power loss	
type of voltage / of the supply voltage	DC
supply voltage / 1 / from backplane bus	5 V
supply voltage / external	24 V
supply voltage / external	19.2 28.8 V
supply voltage / external / at DC / rated value	24 V
supply voltage / external / at DC / rated value	19.2 28.8 V
consumed current	
 from backplane bus / at DC / at 5 V / typical 	0.25 A
 from external supply voltage / at DC / at 24 V / typical 	0.1 A
power loss [W]	2.4 W; 1.25 W from S7-1200 backplane without TS module. 2.4 W from 24 V DC external with TS module
ambient conditions	
ambient temperature	
 for vertical installation / during operation 	-20 +60 °C
 for horizontally arranged busbars / during operation 	-20 +70 °C
during storage	-4070 °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

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height 110 mm depth 75 mm net weight 0.122 kg fastening method 9 • 35 mm top hat DIN rail mounting Yes • 36 mm top hat DIN rail mounting Yes • wall mounting Yes product features, product functions, product components / general 1 number of units 1 • per CPU / maximum 1 • note One CP pluggable on left side of CPU, one TS Module pluggable left side of CP. performance data / open communication 1 number of possible connections / for open communication 1 number of possible connections / for S7 communication 1 number of possible connections / for S7 communication 1 • with PG connections / maximum 1 service SINAUT ST7 via S7 communication • with PG connections / maximum 1 service SINAUT ST7 via S7 communication vistability for use No • node station Yes performance data / 11 functions 1 number of possible connection Yes	width	30 mm
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10-bit • for SINAUT ST7 protocol with polling or spontaneous / 10-bit or 11-bit Yes operating mode for scanning of data transmission • with dedicated line/radio link / with SINAUT ST7 protocol Polling • with dial-up network / with SINAUT ST7 protocol spontaneous spontaneous • with dial-up network / with SINAUT ST7 protocol spontaneous spontaneous hamming distance 4 spontaneous 4 performance data / teleservice 4 state of the second seco		Yes
spontaneous / 10-bit or 11-bit operating mode for scanning of data transmission • with dedicated line/radio link / with SINAUT ST7 protocol • with dial-up network / with SINAUT ST7 protocol spontaneous hamming distance • for SINAUT ST7 protocol 4 performance data / teleservice diagnostics function / online diagnostics with SIMATIC STEP 7 product function • program download with SIMATIC STEP 7 • remote firmware update product functions / management, configuration, engineering	10-bit	
operating mode for scanning of data transmission with dedicated line/radio link / with SINAUT ST7 protocol with dial-up network / with SINAUT ST7 protocol spontaneous hamming distance for SINAUT ST7 protocol 4 performance data / teleservice diagnostics function / online diagnostics with SIMATIC STEP 7 product function program download with SIMATIC STEP 7 Yes product functions / management, configuration, engineering		Yes
with dedicated line/radio link / with SINAUT ST7 protocol with dial-up network / with SINAUT ST7 protocol spontaneous hamming distance o for SINAUT ST7 protocol 4 performance data / teleservice diagnostics function / online diagnostics with SIMATIC STEP 7 product function o program download with SIMATIC STEP 7 o remote firmware update product functions / management, configuration, engineering		
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• with dial-up network / with SINAUT ST7 protocol spontaneous hamming distance - • for SINAUT ST7 protocol 4 performance data / teleservice - diagnostics function / online diagnostics with SIMATIC Yes STEP 7 - product function - • program download with SIMATIC STEP 7 Yes • remote firmware update Yes product functions / management, configuration, engineering		
hamming distance 4 • for SINAUT ST7 protocol 4 performance data / teleservice 4 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	 with dial-up network / with SINAUT ST7 protocol 	spontaneous
performance data / teleservice diagnostics function / online diagnostics with SIMATIC Yes STEP 7 product function product function • program download with SIMATIC STEP 7 • remote firmware update Yes product functions / management, configuration, engineering	hamming distance	
diagnostics function / online diagnostics with SIMATIC Yes STEP 7 product function • program download with SIMATIC STEP 7 Yes • remote firmware update Yes product functions / management, configuration, engineering	 for SINAUT ST7 protocol 	4
STEP 7 product function • program download with SIMATIC STEP 7 Yes • remote firmware update Yes product functions / management, configuration, engineering	performance data / teleservice	
product function • program download with SIMATIC STEP 7 Yes • remote firmware update Product functions / management, configuration, engineering		Yes
• program download with SIMATIC STEP 7 Yes • remote firmware update Yes product functions / management, configuration, engineering		
remote firmware update Yes product functions / management, configuration, engineering		
product functions / management, configuration, engineering		
protocol / is supported		
• SNMP v3 Yes	• SNMP V3	Yes

Yes SINAUT ES V5.5 and STEP7 V13 SP1 or higher Yes Yes stateful inspection
Yes
Yes
stateful inspection
stateful inspection
Yes
IPsec, SINEMA RC
AES-256, AES-192, AES-128, 3DES-168, DES-56
Preshared key (PSK), X.509v3 certificates
MD5, SHA-1
8
No
Yes
Yes
Yes
TCP/IP
128 bit
1
0
Yes
Yes
Yes
ents
Yes
TS Module RS232 or TS Module MODEM or TS Module ISDN or TS
Module GSM pluggable
http://www.siemens.com/tia-selection-tool
http://www.siemens.com/simatic-net
https://mall.industry.siemens.com
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