SIEMENS

Data sheet

6GK7243-7KX30-0XE0

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 • for LTE transmission — with downlink / maximum — with uplink / maximum — with uplink / maximum 100	transfer rate	
- with downlink / maximum - with uplink / maximum - with uplink / maximum - with uplink / maximum number of interfaces / according to Industrial Ethernet 0 number of interfaces / according to Industrial Ethernet 0 number of electrical connections • for external antenna(s) • for power supply 1 number of slots • for SIM cards 1 type of electrical connection • for external antenna(s) • for power supply 3-pole terminal block slot version • for power supply slot version • for film Card Vireless technology type of mobile wireless service • is supported / SMS • is supported / SMS • is supported / GMS • for the supported / GMS • for the supported / GMS • LTE • CSM • UMITS • CSM • UMITS • LTE operating frequency / for GSM transmission operating frequency / for GSM transmission operating frequency / for LTE transmission operating frequency / with UMTS transmission operating frequency / for LTE transmission operating frequency / for LTE transmission supply voltage, current consumption, power loss type of voltage / external / at DC / rat 24 V / typical • from external supply voltage / at DC / at 24 V / typical • for mexternal supply voltage / at DC / at 24 V / typical • for mexternal supply voltage / at DC / at 24 V / typical • for mexternal supply voltage / at DC / at 24 V / typical • for mexternal supply voltage / at DC / at 24 V / typical • for mexternal supply voltage / at DC / at 24 V / typical • for mexternal supply voltage / at DC / at 24 V / typical • for mexternal supply voltage / at DC / at 24 V / typical • for mexternal supply voltage / at DC / at 24 V / typical	transfer rate	
- with uplink / maximum 5.76 Mbit/s Interfaces number of interfaces / according to Industrial Ethernet 0 number of electrical connections • for external antenna(s) 1 number of slots • for power supply 1 number of slots • for SIM cards 1 type of electrical connection • for external antenna(s) 5 • for power supply 3-pole terminal block • for solw carenal antenna(s) 5 • for power supply 3-pole terminal block slot version • for SIM card 5 version • for SIM card 5 vireless technology type of mobile wireless service • is supported / GPRS Yes • note GPRS (Multislot Class 10) type of wireless network / is supported • GSM Yes • UMTS Yes • LTE Yes • LTE Yes • Operating frequency / for GSM transmission 900 MHz, 1800 MHz operating frequency / for LTE transmission 900 MHz, 1800 MHz operating frequency / for LTE transmission 900 MHz, 1800 MHz supply voltage / external / at DC / rated value 24 V relative negative tolerance / at DC / rated value 24 V relative negative tolerance / at DC / rated V / typical • from external supply voltage / at DC / at 24 V / ypical • from external supply voltage / at DC / at 24 V / ypical • from external supply voltage / at DC / at 24 V / ypical • from external supply voltage / at DC / at 24 V / ypical • from external supply voltage / at DC / at 24 V / ypical • from external supply voltage / at DC / at 24 V / ypical • from external supply voltage / at DC / at 24 V / ypical • from external supply voltage / at DC / at 24 V / ypical • from external supply voltage / at DC / at 24 V / ypical • from external supply voltage / at DC / at 24 V / ypical • from external supply voltage / at DC / at 24 V / ypical	 for LTE transmission 	
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number of interfaces / according to Industrial Ethernet number of electrical connections • for external antenna(s) • for power supply 1 number of slots • for SIM cards type of electrical connection • for external antenna(s) • for power supply 3-pole terminal block • for setternal antenna(s) • for power supply 3-pole terminal block stotyresion • for SIM card viroless technology type of mobile wireless revice • is supported / SMS • is supported / SMS • is supported / SMS • once • GPRS • once • GPRS • UMTS • UMTS • Yes • operating frequency / for CSM transmission • operating frequency / with UMTS transmission • operating frequency / with UMTS transmission • operating frequency / for LTE transmission • operating frequency / for LTE transmission • Supply voltage, current consumption, power loss type of voltage / of the supply voltage supply voltage / external supply voltage / external / at DC / at 24 V / relative negative tolerance / at DC / at 24 V / relative negative tolerance / at DC / at 24 V / yrpicial • from external supply voltage / at DC / at 24 V / yrpicial • from external supply voltage / at DC / at 24 V / yrpicial • from external supply voltage / at DC / at 24 V / yrpicial • from external supply voltage / at DC / at 24 V / yrpicial • from external supply voltage / at DC / at 24 V / yrpicial • from external supply voltage / at DC / at 24 V / yrpicial • from external supply voltage / at DC / at 24 V / yrpicial • from external supply voltage / at DC / at 24 V / yrpicial • from external supply voltage / at DC / at 24 V / yrpicial	— with uplink / maximum	5.76 Mbit/s
number of electrical connections • for external antenna(s) • for power supply number of slots • for SIM cards ! (ype of electrical connection • for external antenna(s) • for power supply slot version • for power supply slot version • for slM card * for slM card * for power supply slot version • for slM card * for slM card * type of mobile wireless service • is supported / SMS • is supported / GPRS • note • is supported / GPRS • note • GPRS (Multislot Class 10) type of wireless network / is supported • GSM • Ves • UMTS • LTE • Ves operating frequency / for GSM transmission operating frequency / with UMTS transmission operating frequency / with UMTS transmission operating frequency / with UMTS transmission operating frequency / for LTE transmission supply voltage / current consumption, power loss type of voltage / of the supply voltage supply voltage / external / at DC / rated value relative positive tolerance / at DC / at 24 V consumed current • from external supply voltage / at DC / at 24 V / typicial • from external supply voltage / at DC / at 24 V / typicial • from external supply voltage / at DC / at 24 V / typicial • from external supply voltage / at DC / at 24 V / typicial • from external supply voltage / at DC / at 24 V / typicial • from external supply voltage / at DC / at 24 V / typicial • from external supply voltage / at DC / at 24 V / typicial • from external supply voltage / at DC / at 24 V / typicial • from external supply voltage / at DC / at 24 V / typicial • from external supply voltage / at DC / at 24 V / typicial • from external supply voltage / at DC / at 24 V / typicial	interfaces	
• for external antenna(s) • for power supply number of slots • for SlotM cards 1 type of electrical connection • for external antenna(s) • for power supply 3-pole terminal block slot version • for SIM card vireless technology type of mobile wireless service • is supported / SRNS • is supported / SPRS • note GPRS (Multislot Class 10) type of wireless network / is supported • GSM • UMTS • LTE operating frequency / for GSM transmission operating frequency / for LTE transmission operating frequency / for LTE transmission operating frequency / for the supply voltage / external / at DC / at 24 V / relative negative tolerance / at DC / at 24 V / typical • from external supply voltage / at DC / at 24 V / maximum • from external supply voltage / at DC / at 24 V / maximum • from external supply voltage / at DC / at 24 V / maximum • from external supply voltage / at DC / at 24 V / maximum • from external supply voltage / at DC / at 24 V / maximum • from external supply voltage / at DC / at 24 V / maximum • from external supply voltage / at DC / at 24 V / maximum • from external supply voltage / at DC / at 24 V / maximum • from external supply voltage / at DC / at 24 V / maximum • from external supply voltage / at DC / at 24 V / maximum • from external supply voltage / at DC / at 24 V / maximum • from external supply voltage / at DC / at 24 V / maximum • from external supply voltage / at DC / at 24 V / maximum • from external supply voltage / at DC / at 24 V / maximum • from external supply voltage / at DC / at 24 V / maximum • from external supply voltage / at DC / at 24 V / maximum • from external supply voltage / at DC / at 24 V / maximum • from external supply voltage / at DC / at 24 V / maximum • from external supply voltage / at DC / at 24 V / maximum • form external supply voltage / at DC / at 24 V / maximum • form external supply voltage / at DC / at 24 V / maximum • form external supply voltage / at DC / at 24 V / maximum • form external supply voltage / at DC / at 24 V / maximum • fo	number of interfaces / according to Industrial Ethernet	0
• for power supply number of slots • for SIM cards 1 type of electrical connection • for external antenna(s) • for power supply 3-pole terminal block slot version • for SIM card **or S	number of electrical connections	
number of slots • for SIM cards 1 type of electrical connection • for external antenna(s) • for power supply 3-pole terminal block slot version • for SIM card * for SIM card * standard * standard * standard * wirelass technology type of mobile wireless service • is supported / SMS • is supported / GPRS • note • GSM • or wireless network / is supported • GSM • UMTS • LTE • LTE • LTE • operating frequency / for GSM transmission operating frequency / with UMTS transmission operating frequency / with UMTS transmission operating frequency / for LTE transmission operating frequency / for LTE transmission supply voltage, current consumption, power loss type of voltage / of the supply voltage supply voltage / external supply voltage / external supply voltage / external • from external supply voltage / at DC / at 24 V / typical • from external supply voltage / at DC / at 24 V / typical • from external supply voltage / at DC / at 24 V / typical • from external supply voltage / at DC / at 24 V / typical • from external supply voltage / at DC / at 24 V / typical • from external supply voltage / at DC / at 24 V / maximum 1 supply voltage / at DC / at 24 V / typical • from external supply voltage / at DC / at 24 V / typical • from external supply voltage / at DC / at 24 V / typical • from external supply voltage / at DC / at 24 V / maximum	for external antenna(s)	1
type of electrical connection of re external antenna(s) of power supply slot version of or SIM card streets technology type of mobile wireless service ois supported / SMS onte (GPRS) onte (GPRS) onte of wireless network / is supported of wireless network / is supported ogsM outTS operating frequency / for GSM transmission operating frequency / with UMTS transmission operating frequency / for LTE transmission supply voltage, current consumption, power loss type of voltage / external supply voltage / external supply voltage / external of the consumed current of from external supply voltage / at DC / at 24 V / yptical of from external supply voltage / at DC / at 24 V / yptical of from external supply voltage / at DC / at 24 V / yptical of from external supply voltage / at DC / at 24 V / yptical of from external supply voltage / at DC / at 24 V / yptical of from external supply voltage / at DC / at 24 V / yptical of from external supply voltage / at DC / at 24 V / yptical of from external supply voltage / at DC / at 24 V / yptical of from external supply voltage / at DC / at 24 V / yptical of from external supply voltage / at DC / at 24 V / yptical of from external supply voltage / at DC / at 24 V / yptical of from external supply voltage / at DC / at 24 V / yptical of from external supply voltage / at DC / at 24 V / yptical of from external supply voltage / at DC / at 24 V / yptical	• for power supply	1
type of electrical connection	number of slots	
for external antenna(s) of ro power supply	for SIM cards	1
for power supply slot version if or SIM card Standard wireless technology type of mobile wireless service is supported / SMS is supported / GPRS is supported / GPRS in ote in ote if or SIM card if or Supported / SMS if or Supported / SMS if or Supported / SMS if or SIM card if or Supported / SMS if or SIM card if or Supported / SMS if or Supported / SMS	type of electrical connection	
slot version • for SIM card wireless technology type of mobile wireless service • is supported / SMS • is supported / GPRS • note GPRS (Multislot Class 10) type of wireless network / is supported • GSM • UMTS • LTE Operating frequency / for GSM transmission operating frequency / with UMTS transmission operating frequency / with UMTS transmission operating frequency / for LTE transmission but the supply voltage, current consumption, power loss type of voltage / of the supply voltage 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 consumed current • from external supply voltage / at DC / at 24 V / typical • from external supply voltage / at DC / at 24 V / maximum 0.22 A	 for external antenna(s) 	SMA socket (50 ohms)
• for SIM card wireless technology type of mobile wireless service • is supported / SMS • is supported / GPRS • note type of wireless network / is supported • GSM • UMTS • LTE operating frequency / for GSM transmission operating frequency / with UMTS transmission operating frequency / for LTE transmission operating frequency / for LTE transmission supply voltage, current consumption, power loss type of voltage / external supply voltage / external / at DC / rated value relative positive tolerance / at DC / at 24 V / consumed current • from external supply voltage / at DC / at 24 V / maximum • from external supply voltage / at DC / at 24 V	for power supply	3-pole terminal block
type of mobile wireless service is supported / SMS is supported / GPRS in ote GPRS (Multislot Class 10) type of wireless network / is supported GPRS (Multislot Class 10) type of wireless network / is supported GRM GSM UMTS ITE Operating frequency / for GSM transmission operating frequency / with UMTS transmission operating frequency / with UMTS transmission operating frequency / for LTE transmission but it is a comparable to the supply voltage of the supply voltage of the supply voltage current consumption, power loss type of voltage / external / at DC / rated value 24 V supply voltage / external / at DC / rated value 24 V relative positive tolerance / at DC / at 24 V consumed current of from external supply voltage / at DC / at 24 V / typical of from external supply voltage / at DC / at 24 V / maximum 0.22 A	slot version	
type of mobile wireless service is supported / SMS is supported / GPRS in once GPRS (Multislot Class 10) type of wireless network / is supported GSM SYES UMTS YES LTE Operating frequency / for GSM transmission Operating frequency / with UMTS transmission Operating frequency / for LTE transmission Operating frequency /	• for SIM card	Standard
is supported / SMS is supported / GPRS in supported / GPRS in once GPRS (Multislot Class 10) type of wireless network / is supported GSM GSM UMTS UMTS For a vest operating frequency / for GSM transmission Operating frequency / with UMTS transmission Operating frequency / with UMTS transmission Operating frequency / for LTE transmission Operating frequency / with UMTS transmission Operating frequency / with UMTS transmission Operating frequency / with UMTS transmission Operating frequency / for LTE Operating freque	wireless technology	
is supported / GPRS in note GPRS (Multislot Class 10) type of wireless network / is supported GSM Yes UMTS Full UMTS Yes LTE Operating frequency / for GSM transmission Operating frequency / with UMTS transmission Operating frequency / with UMTS transmission Operating frequency / for LTE transmission Operating frequency / with UMTS transmission Operating	type of mobile wireless service	
onte type of wireless network / is supported GSM Yes UMTS Yes LTE yes operating frequency / for GSM transmission operating frequency / with UMTS transmission operating frequency / with UMTS transmission operating frequency / for LTE transmission operating frequency / for LTE transmission supply voltage, current consumption, power loss type of voltage / of the supply voltage	• is supported / SMS	Yes
type of wireless network / is supported GSM UMTS LTE yes operating frequency / for GSM transmission operating frequency / with UMTS transmission operating frequency / with UMTS transmission operating frequency / for LTE transmission operating frequency / for LTE transmission operating frequency / for LTE transmission supply voltage, current consumption, power loss type of voltage / of the supply voltage DC supply voltage / external supply voltage / external 24 V supply voltage / external / at DC / rated value relative positive tolerance / at DC / at 24 V consumed current from external supply voltage / at DC / at 24 V / typical from external supply voltage / at DC / at 24 V / typical from external supply voltage / at DC / at 24 V / maximum 0.22 A	• is supported / GPRS	Yes
GSM UMTS UMTS LTE Operating frequency / for GSM transmission Operating frequency / with UMTS transmission Operating frequency / with UMTS transmission Operating frequency / for LTE transmission Operating frequency / with UMTS transmission Operating frequency / with UMTS transmission Operating frequency / with UMTS transmission Operating frequency / for LTE transmission Operating frequency / with UMTS with UMTS operating frequency / with	• note	GPRS (Multislot Class 10)
● LTE Yes operating frequency / for GSM transmission operating frequency / with UMTS transmission operating frequency / with UMTS transmission operating frequency / for LTE transmission operating frequency / for LTE transmission 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 relative positive tolerance / at DC / at 24 V relative negative tolerance / at DC / at 24 V consumed current ● from external supply voltage / at DC / at 24 V / typical ● from external supply voltage / at DC / at 24 V / maximum 0.22 A	type of wireless network / is supported	
	• GSM	Yes
operating frequency / for GSM transmission operating frequency / with UMTS transmission operating frequency / for LTE transmission 800 MHz, 2100 MHz supply voltage, current consumption, power loss type of voltage / of the supply voltage supply voltage / external supply voltage / external / at DC / rated value relative positive tolerance / at DC / at 24 V relative negative tolerance / at DC / at 24 V consumed current • from external supply voltage / at DC / at 24 V / typical • from external supply voltage / at DC / at 24 V / maximum 0.22 A	• UMTS	Yes
operating frequency / with UMTS transmission operating frequency / for LTE transmission 800 MHz, 2100 MHz supply voltage, current consumption, power loss type of voltage / of the supply voltage supply voltage / external supply voltage / external / at DC / rated value relative positive tolerance / at DC / at 24 V relative negative tolerance / at DC / at 24 V consumed current of from external supply voltage / at DC / at 24 V / typical from external supply voltage / at DC / at 24 V / maximum 0.22 A	• LTE	Yes
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 relative negative tolerance / at DC / at 24 V consumed current • from external supply voltage / at DC / at 24 V / typical • from external supply voltage / at DC / at 24 V / maximum 0.22 A	operating frequency / for GSM transmission	900 MHz, 1800 MHz
type of voltage, current consumption, power loss type of voltage / of the supply voltage supply voltage / external supply voltage / external / at DC / rated value relative positive tolerance / at DC / at 24 V relative negative tolerance / at DC / at 24 V consumed current • from external supply voltage / at DC / at 24 V / typical • from external supply voltage / at DC / at 24 V / maximum 0.22 A	operating frequency / with UMTS transmission	900 MHz, 2100 MHz
type of voltage / of the supply voltage Supply voltage / external Supply voltage / external / at DC / rated value Prelative positive tolerance / at DC / at 24 V Trelative negative tolerance / at DC / at 24 V Consumed current In from external supply voltage / at DC / at 24 V / typical In from external supply voltage / at DC / at 24 V / maximum In from external supply voltage / at DC / at 24 V / maximum In from external supply voltage / at DC / at 24 V / maximum In from external supply voltage / at DC / at 24 V / maximum In from external supply voltage / at DC / at 24 V / maximum In from external supply voltage / at DC / at 24 V / maximum In from external supply voltage / at DC / at 24 V / maximum In from external supply voltage / at DC / at 24 V / maximum In from external supply voltage / at DC / at 24 V / maximum In from external supply voltage / at DC / at 24 V / maximum In from external supply voltage / at DC / at 24 V / maximum In from external supply voltage / at DC / at 24 V / maximum In from external supply voltage / at DC / at 24 V / maximum In from external supply voltage / at DC / at 24 V / maximum In from external supply voltage / at DC / at 24 V / maximum In from external supply voltage / at DC / at 24 V / maximum In from external supply voltage / at DC / at 24 V / maximum In from external supply voltage / at DC / at 24 V / maximum In from external supply voltage / at DC / at 24 V / maximum	operating frequency / for LTE transmission	800 MHz, 1800 MHz, 2600 MHz
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 • from external supply voltage / at DC / at 24 V / maximum 0.22 A	supply voltage, current consumption, power loss	
supply voltage / external / at DC / rated value relative positive tolerance / at DC / at 24 V relative negative tolerance / at DC / at 24 V consumed current • from external supply voltage / at DC / at 24 V / typical • from external supply voltage / at DC / at 24 V / maximum 0.22 A	type of voltage / of the supply voltage	DC
relative positive tolerance / at DC / at 24 V relative negative tolerance / at DC / at 24 V consumed current • from external supply voltage / at DC / at 24 V / typical • from external supply voltage / at DC / at 24 V / maximum 0.22 A	supply voltage / external	24 V
relative negative tolerance / at DC / at 24 V consumed current • from external supply voltage / at DC / at 24 V / typical • from external supply voltage / at DC / at 24 V / maximum 0.22 A	supply voltage / external / at DC / rated value	24 V
consumed current • from external supply voltage / at DC / at 24 V / typical • from external supply voltage / at DC / at 24 V / maximum 0.22 A	relative positive tolerance / at DC / at 24 V	20 %
 from external supply voltage / at DC / at 24 V / typical from external supply voltage / at DC / at 24 V / maximum 0.1 A 0.22 A 	relative negative tolerance / at DC / at 24 V	20 %
• from external supply voltage / at DC / at 24 V / maximum 0.22 A	consumed current	
	 from external supply voltage / at DC / at 24 V / typical 	0.1 A
ambient conditions	• from external supply voltage / at DC / at 24 V / maximum	0.22 A

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	40 110 0
•	95 %
 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
	100 mm
height	
depth	75 mm
net weight	0.133 kg
fastening method	
 35 mm top hat DIN rail mounting 	Yes
 S7-300 rail mounting 	No
wall mounting	Yes
product features, product functions, product components / gene	eral
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	
	like CPU
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	
9	
• substation	Yes
•	Yes Telecontrol Server Basic
• substation	
substation control center connection	Telecontrol Server Basic
substation control center connection by means of a permanent connection	Telecontrol Server Basic supported
 substation control center connection by means of a permanent connection by means of demand-oriented connection note 	Telecontrol Server Basic supported supported
substation control center connection by means of a permanent connection by means of demand-oriented connection note protocol / is supported	Telecontrol Server Basic supported supported Connection to SCADA system using OPC interface
substation control center connection by means of a permanent connection by means of demand-oriented connection note protocol / is supported DNP3	Telecontrol Server Basic supported supported Connection to SCADA system using OPC interface Yes
substation control center connection by means of a permanent connection by means of demand-oriented connection note protocol / is supported DNP3 IEC 60870-5	Telecontrol Server Basic supported supported Connection to SCADA system using OPC interface Yes Yes
substation control center connection by means of a permanent connection by means of demand-oriented connection note protocol / is supported DNP3 IEC 60870-5 product function / data buffering if connection is aborted	Telecontrol Server Basic supported supported Connection to SCADA system using OPC interface Yes
substation control center connection by means of a permanent connection by means of demand-oriented connection note protocol / is supported DNP3 IEC 60870-5	Telecontrol Server Basic supported supported Connection to SCADA system using OPC interface Yes Yes
substation control center connection by means of a permanent connection by means of demand-oriented connection note protocol / is supported DNP3 IEC 60870-5 product function / data buffering if connection is aborted number of stations / for direct communication / with Telecontrol	Telecontrol Server Basic supported supported Connection to SCADA system using OPC interface Yes Yes
substation control center connection by means of a permanent connection by means of demand-oriented connection note protocol / is supported DNP3 IEC 60870-5 product function / data buffering if connection is aborted number of stations / for direct communication / with Telecontrol Server Basic	Telecontrol Server Basic supported supported Connection to SCADA system using OPC interface Yes Yes Yes; 64,000 events
substation control center connection by means of a permanent connection by means of demand-oriented connection note protocol / is supported DNP3 IEC 60870-5 product function / data buffering if connection is aborted number of stations / for direct communication / with Telecontrol Server Basic in send direction / maximum in receive direction / maximum	Telecontrol Server Basic supported supported Connection to SCADA system using OPC interface Yes Yes Yes Yes; 64,000 events
substation control center connection by means of a permanent connection by means of demand-oriented connection note protocol / is supported DNP3 IEC 60870-5 product function / data buffering if connection is aborted number of stations / for direct communication / with Telecontrol Server Basic in send direction / maximum in receive direction / maximum performance data / teleservice	Telecontrol Server Basic supported supported Connection to SCADA system using OPC interface Yes Yes Yes; 64,000 events
substation control center connection by means of a permanent connection by means of demand-oriented connection note protocol / is supported DNP3 IEC 60870-5 product function / data buffering if connection is aborted number of stations / for direct communication / with Telecontrol Server Basic in send direction / maximum in receive direction / maximum performance data / teleservice diagnostics function / online diagnostics with SIMATIC STEP 7	Telecontrol Server Basic supported supported Connection to SCADA system using OPC interface Yes Yes Yes Yes; 64,000 events
substation control center connection • by means of a permanent connection • by means of demand-oriented connection • note protocol / is supported • DNP3 • IEC 60870-5 product function / data buffering if connection is aborted number of stations / for direct communication / with Telecontrol Server Basic • in send direction / maximum • in receive direction / maximum performance data / teleservice diagnostics function / online diagnostics with SIMATIC STEP 7 product function	Telecontrol Server Basic supported supported Connection to SCADA system using OPC interface Yes Yes Yes Yes; 64,000 events Yes
substation control center connection by means of a permanent connection by means of demand-oriented connection note protocol / is supported DNP3 IEC 60870-5 product function / data buffering if connection is aborted number of stations / for direct communication / with Telecontrol Server Basic in send direction / maximum in receive direction / maximum performance data / teleservice diagnostics function / online diagnostics with SIMATIC STEP 7 product function program download with SIMATIC STEP 7	Telecontrol Server Basic supported supported Connection to SCADA system using OPC interface Yes Yes Yes Yes; 64,000 events Yes Yes
substation control center connection • by means of a permanent connection • by means of demand-oriented connection • note protocol / is supported • DNP3 • IEC 60870-5 product function / data buffering if connection is aborted number of stations / for direct communication / with Telecontrol Server Basic • in send direction / maximum • in receive direction / maximum performance data / teleservice diagnostics function / online diagnostics with SIMATIC STEP 7 product function • program download with SIMATIC STEP 7 • remote firmware update	Telecontrol Server Basic supported supported Connection to SCADA system using OPC interface Yes Yes Yes Yes; 64,000 events Yes
substation control center connection • by means of a permanent connection • by means of demand-oriented connection • note protocol / is supported • DNP3 • IEC 60870-5 product function / data buffering if connection is aborted number of stations / for direct communication / with Telecontrol Server Basic • in send direction / maximum • in receive direction / maximum • in receive 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	Telecontrol Server Basic supported supported Connection to SCADA system using OPC interface Yes Yes Yes Yes; 64,000 events Yes Yes
substation control center connection by means of a permanent connection by means of demand-oriented connection note protocol / is supported DNP3 IEC 60870-5 product function / data buffering if connection is aborted number of stations / for direct communication / with Telecontrol Server Basic in send direction / maximum in receive direction / maximum 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 configuration software	Telecontrol Server Basic supported Supported Connection to SCADA system using OPC interface Yes Yes Yes; 64,000 events Yes Yes Yes Yes
substation control center connection by means of a permanent connection by means of demand-oriented connection note protocol / is supported DNP3 IEC 60870-5 product function / data buffering if connection is aborted number of stations / for direct communication / with Telecontrol Server Basic in send direction / maximum in receive direction / maximum 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 configuration software required	Telecontrol Server Basic supported supported Connection to SCADA system using OPC interface Yes Yes Yes Yes; 64,000 events Yes Yes
substation control center connection by means of a permanent connection by means of demand-oriented connection note protocol / is supported DNP3 IEC 60870-5 product function / data buffering if connection is aborted number of stations / for direct communication / with Telecontrol Server Basic in send direction / maximum in receive direction / maximum 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 configuration software	Telecontrol Server Basic supported Supported Connection to SCADA system using OPC interface Yes Yes Yes; 64,000 events Yes Yes Yes Yes
substation control center connection by means of a permanent connection by means of demand-oriented connection note protocol / is supported DNP3 IEC 60870-5 product function / data buffering if connection is aborted number of stations / for direct communication / with Telecontrol Server Basic in send direction / maximum in receive direction / maximum 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 configuration software required	Telecontrol Server Basic supported Supported Connection to SCADA system using OPC interface Yes Yes Yes; 64,000 events Yes Yes Yes Yes
substation control center connection • by means of a permanent connection • by means of demand-oriented connection • note protocol / is supported • DNP3 • IEC 60870-5 product function / data buffering if connection is aborted number of stations / for direct communication / with Telecontrol Server Basic • in send direction / maximum • in receive direction / maximum 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 configuration software • required product functions / diagnostics	Telecontrol Server Basic supported supported Connection to SCADA system using OPC interface Yes Yes Yes Yes; 64,000 events Yes Yes Yes Yes Yes Yes Yes Ye
substation control center connection • by means of a permanent connection • by means of demand-oriented connection • note protocol / is supported • DNP3 • IEC 60870-5 product function / data buffering if connection is aborted number of stations / for direct communication / with Telecontrol Server Basic • in send direction / maximum • in receive direction / maximum 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 configuration software • required product functions / diagnostics product function / web-based diagnostics	Telecontrol Server Basic supported supported Connection to SCADA system using OPC interface Yes Yes Yes Yes; 64,000 events Yes Yes Yes Yes Yes Yes Yes Ye
substation control center connection by means of a permanent connection by means of demand-oriented connection note protocol / is supported DNP3 IEC 60870-5 product function / data buffering if connection is aborted number of stations / for direct communication / with Telecontrol Server Basic in send direction / maximum in receive direction / maximum 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 configuration software required product functions / diagnostics product functions / web-based diagnostics product functions / security firewall version	Telecontrol Server Basic supported supported Connection to SCADA system using OPC interface Yes Yes Yes Yes; 64,000 events Yes Yes Yes Yes Yes Yes STEP 7 Basic/Professional Yes stateful inspection
substation control center connection by means of a permanent connection by means of demand-oriented connection note protocol / is supported DNP3 IEC 60870-5 product function / data buffering if connection is aborted number of stations / for direct communication / with Telecontrol Server Basic in send direction / maximum in receive direction / maximum 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 configuration software required product functions / diagnostics product function / web-based diagnostics product functions / security firewall version product function / with VPN connection	Telecontrol Server Basic supported supported Connection to SCADA system using OPC interface Yes Yes Yes; 64,000 events Yes Yes Yes Yes Yes Yes Yes Yes
substation control center connection by means of a permanent connection by means of demand-oriented connection note protocol / is supported DNP3 IEC 60870-5 product function / data buffering if connection is aborted number of stations / for direct communication / with Telecontrol Server Basic in send direction / maximum in receive direction / maximum 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 configuration software required product functions / diagnostics product function / web-based diagnostics product function / security firewall version product function / with VPN connection type of encryption algorithms / with VPN connection	Telecontrol Server Basic supported supported Connection to SCADA system using OPC interface Yes Yes Yes Yes; 64,000 events Yes Yes Yes Yes Yes Yes Yes Y
substation control center connection by means of a permanent connection by means of demand-oriented connection note protocol / is supported DNP3 IEC 60870-5 product function / data buffering if connection is aborted number of stations / for direct communication / with Telecontrol Server Basic in send direction / maximum in receive direction / maximum in receive direction / maximum 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 configuration software required product functions / diagnostics product function / web-based diagnostics product function / security firewall version product function / with VPN connection	Telecontrol Server Basic supported supported Connection to SCADA system using OPC interface Yes Yes Yes; 64,000 events Yes Yes Yes Yes Yes Yes Yes Yes

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
as marking	Ex nA IIC T4 Gc
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)

last modified:

8/18/2023