

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Selected official Siemens product data

SIEMENS SIMATIC S7-1200

6GK7242-7KX30-0XE0

CP 1242-7 GSM/GPRS COMMUNICATION PROCESSOR

This package includes the complete model-specific Siemens product data pages for the stated article number.

REFERENCE PACKAGE

Siemens product data sheet - 19 August 2014

Producttypebenaming

CP 1242-7



COMMUNICATION PROCESSOR CP 1242-7 FOR CONNECTION OF SIMATIC S7-1200 TO GSM/GPRS NET
PLEASE NOTE NATIONAL APPROVALS

Transmission rate

Transmission rate

- with GPRS transmission
 - with downlink / maximum
 - with uplink / maximum

86 kbit/s

43 kbit/s

Wireless technology

Type of mobile wireless service

- is supported
 - SMS
 - GPRS

Ja

Ja

Type of mobile wireless network / is supported

- GSM
- UMTS
- LTE

Ja

Nee

Nee

Operating frequency

- 850 MHz
- 900 MHz
- 1800 MHz
- 1900 MHz

Ja

Ja

Ja

Ja

Transmit power

• at operating frequency 900 MHz	2 W
• at operating frequency 1800 MHz	1 W
• at operating frequency 1900 MHz	1 W
Interfaces	
Number of electrical connections	
• for external antenna(s)	1
• for power supply	1
Number of slots	
• for SIM cards	1
Supply voltage, current consumption, power loss	
Type spanning / van de voedingsspanning	DC
Supply voltage / external	24 V
Relatieve positieve tolerantie / bij 24 V / bij DC	20 %
Relatieve negatieve tolerantie / bij 24 V / bij DC	20 %
Consumed current / from external supply voltage / at 12 V	
• with DC	
• typical	0,1 A
• maximaal	0,22 A
Werkelijk vermogensverlies	2,4 W
Permitted ambient conditions	
Omgevingstemperatuur	
• bij verticale installatie / tijdens bedrijf	0 ... 45 °C
• bij horizontale installatie / tijdens bedrijf	0 ... 55 °C
• tijdens opslag	-40 ... +70 °C
• tijdens transport	-40 ... +70 °C
Relatieve luchtvochtigheid / bij 25 °C / zonder condensatie / tijdens bedrijf / maximaal	95 %
Beschermingsklasse IP	IP20
Design, dimensions and weight	
Breedte	30 mm
Hoogte	100 mm
Diepte	75 mm
Nettogewicht	0,133 kg
Mounting type	
• 35 mm DIN rail mounting	Ja
• wandmontage	Ja
• S7-300 rail mounting	Nee
Product properties, functions, components / general	
Aantal modules / per CPU / maximaal	3
Performance data	

Number of possible connections / for open communication / by means of TC blocks / maximum	5
Data volume / as user data per polling / maximum	1024 byte
Performance data / S7 communication	
Protocol / is supported	
• DNP3	Nee
• IEC 60870-5	Nee
Product function / data buffering if connection is aborted	Ja
Data volume / as user data per station / in telecontrol mode / maximum	2048 byte
Performance data / Teleservice	
Diagnostic function / online diagnostics with SIMATIC STEP 7	Ja
Productfunctie	
• program download with SIMATIC STEP 7	Ja
• remote firmware update	Nee
Product functions / Security	
Product function	
• password protection for teleservice access	Ja
• encrypted data transmission	Ja
Product functions / Time	
Protocol / wordt ondersteund / NTP	Ja
letzte Änderung:	15-aug-2014