

SIEMENS

Product data sheet

6GK7242-7KX30-0XE0

Product-type designation



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

Transmission rate

Transfer rate / with GPRS transmission

- | | |
|---------------------------|-----------|
| • with uplink / maximum | 43 kbit/s |
| • with downlink / maximum | 86 kbit/s |

[nicht versorgt: TAK_ABU303_001_000]

Type of mobile wireless service

- | | |
|----------------|-----|
| • is supported | |
| • SMS | Yes |
| • GPRS | Yes |

Type of mobile wireless network / is supported

- | | |
|--------|-----|
| • GSM | Yes |
| • UMTS | No |

Operating frequency

- | | |
|-----------|-----|
| • 850 MHz | Yes |
| • 900 MHz | Yes |

• 1800 MHz	Yes
• 1900 MHz	Yes
Transmit power	
• at operating frequency 850 MHz	2 W
• 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 of voltage / of supply voltage	DC
Supply voltage / external	24 V
Relative positive tolerance / at 24 V / with DC	20 %
Relative negative tolerance / at 24 V / with DC	20 %
Consumed current / [nicht versorgt - aus externer Versorgungsspannung] / [nicht versorgt - bei 24 V] / [nicht versorgt - bei DC]	
• [nicht versorgt - typisch]	0.1 A
• maximum	0.22 A
Resistive loss	2.4 W
Permitted ambient conditions	
Ambient temperature	
• for vertical installation / during operating phase	0 ... 45 °C
• for horizontal installation / during operating phase	0 ... 55 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Relative humidity / at 25 °C / without condensation / during operating / maximum	95 %
Protection class IP	IP20
Design, dimensions and weight	
Width	30 mm
Height	100 mm
Depth	75 mm

Net weight	0.133 kg
Product properties, functions, components / general	
Number of units / per CPU / maximum	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 [nicht versorgt: TAK_ABU304_001_000]	1024 byte
Protocol / is supported	
• DNP3	No
• IEC 60870-5	No
Product function / data buffering if connection is aborted	Yes
Data volume / as user data per station / in telecontrol mode / maximum [nicht versorgt: TAK_ABU305_001_000]	2048 byte
Diagnostic function / online diagnostics with SIMATIC STEP 7	Yes
Product function	
• program download with SIMATIC STEP 7	Yes
• remote firmware update	No
Product functions / Security	
Product function	
• password protection for teleservice access	Yes
• encrypted data transmission	Yes
Product functions / Time	
Protocol / is supported / NTP	Yes
letzte Änderung:	Feb 27, 2012