

AMIKON TECHNICAL INTELLIGENCE

Product Data Sheet

Siemens 6GK7242-7KX30-0XE0
SIMATIC S7-1200 CP 1242-7

PRODUCT	NETWORK	SUPPLY	PROTECTION
CP 1242-7	GSM / GPRS	24 V DC	IP20

Siemens 6GK7242-7KX30-0XE0 is a CP 1242-7 communication processor for connecting a SIMATIC S7-1200 station to GSM/GPRS services. The module supports SMS, GPRS telecontrol and teleservice functions when installed and configured with the applicable national approvals.

01 OFFICIAL PRODUCT PARAMETERS

Article Number	6GK7242-7KX30-0XE0
Product Designation	CP 1242-7
Mobile Services	SMS and GPRS
GPRS Downlink	86 kbit/s maximum
GPRS Uplink	43 kbit/s maximum
Frequency Bands	850 / 900 / 1800 / 1900 MHz
External Supply	24 V DC, +/-20%
Power Loss	2.4 W
Dimensions	3.0 x 10.0 x 7.5 cm
Net Weight	0.13 kg
Degree of Protection	IP20
Mounting	35 mm DIN rail or wall

Source: Siemens product data sheet for 6GK7242-7KX30-0XE0, CP 1242-7, dated 19 August 2014.

02 COMMUNICATION AND OPERATING DATA

Antenna Connection	1 external antenna connection
SIM Slot	1 SIM card slot
Open Communication	Up to 5 TC-block connections
Polling Payload	1024 bytes maximum
Telecontrol Buffer	2048 bytes per station maximum
Online Diagnostics	Supported with SIMATIC STEP 7
Program Download	Supported with SIMATIC STEP 7
Encrypted Transmission	Supported
Teleservice Password	Supported
Time Synchronization	NTP supported
Operating Temperature	0 to 45 C vertical; 0 to 55 C horizontal
Storage / Transport	-40 to +70 C

03 DOCUMENT CONTROL

Verify national radio approvals, antenna selection, SIM service, supply wiring, grounding, environmental limits and the current Siemens configuration instructions before commissioning.