

product type designation



CP 1242-7 V2

-- spare part -- communications processor CP 1242-7 V2 for connection of SIMATIC S7-1200 to GSM/GPRS network; web server access to CPU, data point configuration, observe national approvals.

transfer rate	
transfer rate	
for GPRS transmission	
— with downlink / maximum	86 kbit/s
— with uplink / maximum	43 kbit/s
interfaces	
number of interfaces / according to Industrial Ethernet	0
number of electrical connections	
for external antenna(s)	1
for power supply	1
number of slots	
for SIM cards	1
type of electrical connection	
for external antenna(s)	SMA socket (50 ohms)
for power supply	3-pole terminal block
slot version	
for SIM card	Standard
wireless technology	
type of mobile wireless service / is supported	
SMS	Yes
GPRS	Yes
	GPRS (Multislot Class 10)
type of wireless network / is supported	
GSM	Yes
UMTS	No
LTE	No
operating frequency	
850 MHz	Yes
900 MHz	Yes
1800 MHz	Yes
1900 MHz	Yes
transmit power	
at operating frequency 900 MHz	2 W
at operating frequency 1800 MHz	1 W
at operating frequency 1900 MHz	1 W
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	20 %
relative negative tolerance / at DC / at 24 V	20 %
consumed current	
• from external supply voltage / at DC / at 24 V / typical	0.1 A
• from external supply voltage / at DC / at 24 V / maximum	0.22 A
power loss [W]	2.4 W
ambient conditions	
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	
• 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
height	100 mm
depth	75 mm
net weight	0.133 kg
fastening method	
• 35 mm DIN-rail mounting	Yes
• S7-300 rail mounting	No
• wall mounting	Yes
product features, product functions, product components / general	
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	
• by means of T blocks / maximum	like CPU
performance data / IT functions	
number of possible connections	
• as email client / maximum	1
performance data / telecontrol	
control center connection	Telecontrol Server Basic
• by means of a permanent connection	supported
• by means of demand-oriented connection	supported
• note	Connection to SCADA system using OPC interface
protocol / is supported	
• DNP3	No
• IEC 60870-5	No
product function / data buffering if connection is aborted	Yes; 64,000 events
number of stations / for direct communication / with Telecontrol Server Basic	
• in send direction / maximum	3
• in receive direction / maximum	15
performance data / teleservice	
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	
configuration software	
• required	STEP 7 Basic/Professional
product functions / diagnostics	
product function / web-based diagnostics	Yes
product functions / security	

product function			
• password protection for teleservice access • encrypted data transmission	Yes Yes		
product functions / time			
protocol / is supported	Yes		
• NTP			
time synchronization	Yes		
• from control center			
further information / internet links			
internet link	https://www.siemens.com/tstcloud https://www.siemens.com/simatic-net https://www.automation.siemens.com/bilddb https://siemens.com/cax https://support.industry.siemens.com		
• to web page: selection aid TIA Selection Tool			
• to website: Industrial communication			
• to website: Image database			
• to website: CAX-Download-Manager			
• to website: Industry Online Support			
security information			
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 ATEX	CCC-Ex	Miscellaneous	 DNV  LRS  EPD

last modified:

2/18/2025 