

Product type designation

CP 5612

COMMUNICATIONSPROCESSOR CP 5612 PCI-CARD FOR CONNECTING A PG OR PC WITH PCI-BUS TO PROFIBUS OR MPI CAN BE USED WITH 32BIT AND 64BIT OPERATING SYSTEMS ALSO SEE ARTICLE-ID 22611503



Transmission rate

Transfer rate

- at the 1st interface / acc. to PROFIBUS 9.6 kbit/s ... 12 Mbit/s

Interfaces

Number of electrical connections

- at the 1st interface / acc. to PROFIBUS 1

Type of electrical connection

- at the 1st interface / acc. to PROFIBUS 9-pin Sub-D socket (RS 485)

Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage

DC

Supply voltage

- 1 / from backplane bus 3.3 V
- 2 / from backplane bus 12 V

Relative symmetrical tolerance / at DC

- at 3.3 V 9 %
- at 12 V 8 %

Consumed current

• 1 / from backplane bus / at DC / maximum	0.15 A
• 2 / from backplane bus / at DC / maximum	0.25 A
Power loss [W]	3.5 W

Permitted ambient conditions

Ambient temperature	
• during operation	5 ... 55 °C
• during storage	-20 ... +60 °C
• during transport	-20 ... +60 °C
Relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP00

Design, dimensions and weight

Module format	PCI
Width	18 mm
Height	107 mm
Depth	125 mm
Net weight	98 g
Number of plug-in cards of same design / plug-in / per PC station	1
Number of units / Note	-

Performance data

Performance data / open communication

Software / for open communication / by means of SEND/RECEIVE / required	Yes, SOFTNET-PB DP / SOFTNET-PB DP Slave / SOFTNET-PB S7
Number of possible connections / for open communication / by means of SEND/RECEIVE / maximum	50

Performance data / PROFIBUS DP

Software / for DP master function / required	Yes, SOFTNET-PB DP
Service / as DP master	
• DPV0	Yes
• DPV1	Yes
• DPV2	No
Number of DP slaves / on DP master / usable	64
Amount of data	
• of the address area of the inputs / as DP master / total	14640 byte
• of the address area of the outputs / as DP master / total	14640 byte
• of the address area of the inputs / per DP slave	244 byte
• of the address area of the outputs / per DP slave	244 byte

• of the address area of the diagnostic data / per DP slave	244 byte
Software / for DP slave function / required	Yes, SOFTNET-PB DP slave
Service / as DP slave	
• DPV0	Yes
• DPV1	No
Amount of data	
• of the address area of the inputs / as DP slave / total	122 byte
• of the address area of the outputs / as DP slave / total	122 byte

Performance data / S7 communication

Software / for S7 communication / required	Yes, SOFTNET-PB S7
Number of possible connections / for S7/PG communication / maximum	8

Performance data / multi-protocol mode

Number of configurable connections / per PC station	207
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Product functions / management, configuration

Configuration software / required	Included in the scope of delivery of the required software product
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Product functions / Diagnosis

Product function	
• Port diagnostics	Yes

Standards, specifications, approvals

Standard	
• for EMC	89/336/EEC
• for safety / from CSA and UL	CAN/CSA C22.2 & UL 60950-1, UL 1950
• for emitted interference	EN 61000-6-3
• for interference immunity	EN 61000-6-2
Certificate of suitability	
• CE marking	Yes
• C-Tick	Yes

Accessories

accessories	optional: MPI cable
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Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	http://www.siemens.com/industrial-controls/mall
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter

- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

Security information

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