

Product type designation

CP 5613 A2

Communications processor CP 5613 A2, PCI card to connection to PROFIBUS; incl. DP-Base software, Configuring tool: DP-RAM Interface for DP master incl. PG and FDL protocol, Single License for 1 installation, Runtime software, Class A; software and electr. manual on CD-ROM, 2 languages (de,en); Operating system support see SIMATIC NET Software; only for old applications, Wwindows XP and higher 6GK1561-3AA02 is recommended, see <http://support.automation.siemens.com/WW/view/DE/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 5 V

Relative symmetrical tolerance / at DC

- at 5 V 5 %

Consumed current

- 1 / from backplane bus / at DC / maximum 0.8 A

Power loss [W]

4 W

Permitted ambient conditions

Ambient temperature	
• during operation	5 ... 50 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Relative humidity / at 25 °C / without condensation / during operation / maximum	85 %
Protection class IP	IP00

Design, dimensions and weight

Module format	PCI
Width	18 mm
Height	107 mm
Depth	168 mm
Net weight	100 g
Number of plug-in cards of same design / plug-in / per PC station	4
Number of units / Note	FMS-5613 supports up to two CP 5603 / CP 5613 A2 / CP 5614 A2 / CP 5623 / CP 5624 processors

Performance data

Performance data / open communication

Software / for open communication / by means of SEND/RECEIVE / required	FDL driver included in scope of delivery of the CP
Number of possible connections / for open communication / by means of SEND/RECEIVE / maximum	80

Performance data / PROFIBUS DP

Software / for DP master function / required	No
Service / as DP master	
• DPV0	Yes
• DPV1	Yes
• DPV2	Yes
Number of DP slaves / on DP master / usable	124
Amount of data	
• of the address area of the inputs / as DP master / total	30256 byte
• of the address area of the outputs / as DP master / total	30256 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	No
Service / as DP slave	
• DPV0	Yes
• DPV1	Yes
Amount of data	
• of the address area of the inputs / as DP slave / total	244 byte
• of the address area of the outputs / as DP slave / total	244 byte

Performance data / FMS functions

Software / for FMS communication / required	Yes, FMS-5613
Number of possible connections / for FMS connection / maximum	40

Performance data / S7 communication

Software / for S7 communication / required	Yes, HARDNET-PB S7 (S7-5613)
Number of possible connections / for S7/PG communication / maximum	50

Performance data / multi-protocol mode

Number of active connections / with multi-protocol mode	50
Number of configurable connections / per PC station	207

Product functions / management, configuration

Configuration software / required	Included in scope of supply
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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 50081-1, EN 50081-2
• for interference immunity	EN 50082-1, EN 50082-2
Certificate of suitability	
• CE marking	Yes
• C-Tick	Yes

Accessories

Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst

- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/simatic-net>
<http://www.siemens.com/industrial-controls/mall>
<http://www.siemens.com/industry/infocenter>
<http://automation.siemens.com/bilddb>
<http://www.siemens.com/cax>
<https://support.industry.siemens.com>

Security information

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Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action (e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit <http://www.siemens.com/industrialsecurity>. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <http://support.automation.siemens.com>. (V3.4)

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