SIEMENS

Data sheet 6GK1561-4AA02

Product type designation

CP 5614 A3

Communications processor CP 5614 A3, PCI card (32 bit; 3.3/5V; 33/66 MHz); with master and slave interface for connection to PROFIBUS; incl. Configuration tool and DP-Base software: DP-RAM Interface for DP master; incl. PG and FDL protocol; Single License for 1 installation of runtime software, Class A; Software+electr. manuals on DVD; 2 languages (de, en); Operating system support see SIMATIC NET software



Transfer rate	
Transfer rate	
• at the 1st interface / acc. to PROFIBUS	9.6 kbit/s ... 12 Mbit/s
• at the 2nd interface / acc. to PROFIBUS	9.6 kbit/s ... 12 Mbit/s
Interfaces	
Number of electrical connections	
• at the 1st interface / acc. to PROFIBUS	1
• at the 2nd interface / acc. to PROFIBUS	1
Type of electrical connection	
• at the 1st interface / acc. to PROFIBUS	9-pin Sub-D socket (RS 485)
• at the 2nd 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	

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• 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	0.3 A
Power loss [W]	4 W

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	85 %
Protection class IP	IP00

Design, dimensions and weights	
Module format	PCI
Width	18 mm
Height	107 mm
Depth	125 mm
Net weight	0.118 kg

Product features, product functions, product components / general	
Number of plug-in cards of same design / plug-in / per PC station	4
Number of units / Note	-

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

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• 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 / 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, engineering	
Configuration software / required	Included in scope of supply
Product functions / Diagnostics	
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
Further information / Internet-Links	
Internet-Link	

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• 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	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

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Security information	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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