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; including configuration tool and DP-Base software: DP-RAM interface for DP master; including 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 NETsoftware.

transfer rate	
transfer rate	
● at the 1st interface / according to PROFIBUS	9.6 kbit/s ... 12 Mbit/s
● at the 2nd interface / according to PROFIBUS	9.6 kbit/s ... 12 Mbit/s
interfaces	
number of electrical connections	
● at the 1st interface / according to PROFIBUS	1
● at the 2nd interface / according to PROFIBUS	1
type of electrical connection	
● at the 1st interface / according to PROFIBUS	9-pin Sub-D socket (RS 485)
● at the 2nd interface / according 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	0.3 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	0.113 kg
product features, product functions, product components / general	
number of plug-in cards of same design / plug-in / per PC	4

station	
number of units / note	-
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 / operable	124
data volume	
● of the address range of the inputs / as DP master / total	30256 byte
● of the address range of the outputs / as DP master / total	30256 byte
● of the address range of the inputs / per DP slave	244 byte
● of the address range of the outputs / per DP slave	244 byte
● of the address range of the diagnostic data / per DP slave	244 byte
software / for DP slave function / required	No
service / as DP slave	
● DPV0	Yes
● DPV1	Yes
data volume	
● of the address range of the inputs / as DP slave / total	244 byte
● of the address range 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	
● to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
● 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
security information	
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

11/13/2023

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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