SIEMENS

Data sheet 6GK1561-3AA02

product type designation	**CP 5613 A3**



communications processor CP 5613 A3, PCI card (32-bit; 3.3/5 V; 33/66 MHz); with an 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; operating system support, see SIMATIC NET software

product brand name	SIMATIC NET
Technical Product Detail Page	https://i.siemens.com/1P6GK1561-3AA02
transfer rate	
transfer rate	
● at the 1st interface / according to PROFIBUS	9.6 kbit/s ... 12 Mbit/s
interfaces	
number of electrical connections	
● at the 1st interface / according to PROFIBUS	1
type of electrical connection	
● at the 1st interface / according to PROFIBUS	9-pin Sub-D socket (RS 485)
● of the backplane bus	PCI (32Bit 3,3V/5V UniversalKey 33/66MHz)
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
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	0.098 kg
product features, product functions, product components / general	

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number of plug-in cards of same design / plug-in / per PC station	4
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 devices / 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 device	244 byte
● of the address range of the outputs / per DP device	244 byte
● of the address range of the diagnostic data / per DP device	244 byte
software / for DP device function / required	No
service / as DP device	
● DPV0	Yes
● DPV1	Yes
data volume	
● of the address range of the inputs / as DP device / total	244 byte
● of the address range of the outputs / as DP device / 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 / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
● total	129.18 kg
● during manufacturing	33.2 kg
● during operation	95.92 kg
● after end of life	0.06 kg
further information / internet links	
internet link	
● to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to website: Industrial communication	https://www.siemens.com/simatic-net
● to web page: SiePortal	https://sieportal.siemens.com/
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://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 cybersecurity functions that support the secure operation of plants, systems, machines and networks.

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Approvals / Certificates

General Product Approval

Declaration of Conformity | China RoHS | Manufacturer Declaration

General Product Approval | EMV | Environment

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