SIEMENS

Data sheet 6GK1562-3AA01

product type designation	**CP 5623 A2**



communications processor CP 5623 A2 PCI Express X1 (3. 3 V) 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, runtime software, class A; operating system support, see SIMATIC NET software.

product brand name	SIMATIC NET
Technical Product Detail Page	https://i.siemens.com/1P6GK1562-3AA01
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 Express x1
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	0.3 A
● 2 / from backplane bus / at DC / maximum	0.25 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 Express x1 (half length)
width	18 mm
height	112 mm
depth	101 mm
net weight	0.088 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
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	127.99 kg
● during manufacturing	18.9 kg
● during operation	109 kg
● after end of life	0.09 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				Environment
CE EG-Konf.	UKCA	RCM	China RoHS	EPD

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