SIEMENS

Data sheet 6GK1562-2AA00

product type designation	**CP 5622**
	Communications processor CP 5622 PCI Express X1 card for Connection of a PG or PC with PCI Express bus to PROFIBUS or MPI can be used under 32 bit and 64 bit For operating systems also refer to Entry ID 22611503.



Technical Product Detail Page	https://i.siemens.com/1P6GK1562-2AA00
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
width	18 mm
height	112 mm
depth	101 mm
net weight	87 g
product features, product functions, product components / general	
number of plug-in cards of same design / plug-in / per PC	1

Subject to change without notice
© Copyright Siemens

station	
number of units / note	-
performance data / open communication	
software / for open communication / by means of SEND/RECEIVE / required	Yes, SOFTNET-PB DP / SOFTNET-PB DP Slave / SOFTNET-PB S7
number of possible connections / for open communication / by means of SEND/RECEIVE / maximum	50
performance data / PROFIBUS DP	
software / for DP master function / required	Yes, SOFTNET-PB DP
service / as DP master	
● DPV0	Yes
● DPV1	Yes
● DPV2	No
number of DP devices / on DP master / operable	64
data volume	
● of the address range of the inputs / as DP master / total	14640 byte
● of the address range of the outputs / as DP master / total	14640 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	Yes, SOFTNET-PB DP slave
service / as DP device	
● DPV0	Yes
● DPV1	No
data volume	
● of the address range of the inputs / as DP device / total	122 byte
● of the address range of the outputs / as DP device / total	122 byte
performance data / S7 communication	
software / for S7 communication / required	Yes, SOFTNET-PB S7
number of possible connections / for S7/PG communication / maximum	8
performance data / multi-protocol mode	
number of configurable connections / per PC station	207
product functions / management, configuration, engineering	
configuration software / required	Included in the scope of delivery of the required software product
product functions / diagnostics	
product function	
● port diagnostics	Yes
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
● total	128.03 kg
● during manufacturing	18.9 kg
● during operation	109.04 kg
● after end of life	0.09 kg
accessories	
accessories	optional: MPI cable
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.

© Copyright Siemens

In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Approvals / Certificates

General Product Approval

Declaration of Conformity

China RoHS

General Product Approval	EMV	Environment
RCM	KC	EPD

last modified: 10/29/2025

Subject to change without notice
© Copyright Siemens