

### 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.

Technical Product Detail Page

<https://l.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

number of plug-in cards of same design / plug-in / per PC

4

station	
number of units / note	-
<b>performance data / open communication</b>	
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
<b>performance data / PROFIBUS DP</b>	
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
<b>performance data / S7 communication</b>	
software / for S7 communication / required	yes, HARDNET-PB S7
number of possible connections / for S7/PG communication / maximum	50
<b>performance data / multi-protocol mode</b>	
number of active connections / with multi-protocol mode	50
number of configurable connections / per PC station	207
<b>product functions / management, configuration, engineering</b>	
configuration software / required	Included in scope of supply
<b>product functions / diagnostics</b>	
product function	
• port diagnostics	Yes
<b>standards, specifications, approvals / Environmental Product Declaration</b>	
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
<b>further information / internet links</b>	
internet link	
• to website: Selection guide for cables and connectors	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a>
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
• to website: Industrial communication	<a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a>
• to web page: SiePortal	<a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>
• to website: Image database	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
• to website: CAx-Download-Manager	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber

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#### Approvals / Certificates

##### General Product Approval

##### Environment



[China RoHS](#)



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