

### product type designation



### CP 5623

Communications processor CP 5623 PCI Express X1 (3, 3V) for connection to PROFIBUS; incl. configuration tool and DP-Base software: DP-RAM interface for DP master incl. PG and FDL protocol, Single License for 1 installation, Runtime software, Class A; software and electr. manual on DVD, 2 languages (de, en) ; operating system support see SIMATIC NETsoftware.

transfer rate	
transfer rate	
<ul style="list-style-type: none"> <li>at the 1st interface / according to PROFIBUS</li> </ul>	9.6 kbit/s ... 12 Mbit/s
interfaces	
number of electrical connections	
<ul style="list-style-type: none"> <li>at the 1st interface / according to PROFIBUS</li> </ul>	1
type of electrical connection	
<ul style="list-style-type: none"> <li>at the 1st interface / according to PROFIBUS</li> </ul>	9-pin Sub-D socket (RS 485)
supply voltage, current consumption, power loss	
type of voltage / of the supply voltage	DC
supply voltage	
<ul style="list-style-type: none"> <li>1 / from backplane bus</li> <li>2 / from backplane bus</li> </ul>	3.3 V 12 V
relative symmetrical tolerance / at DC	
<ul style="list-style-type: none"> <li>at 3.3 V</li> <li>at 12 V</li> </ul>	9 % 8 %
consumed current	
<ul style="list-style-type: none"> <li>1 / from backplane bus / at DC / maximum</li> <li>2 / from backplane bus / at DC / maximum</li> </ul>	0.72 A 0.25 A
power loss [W]	5.4 W
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>	5 ... 60 °C -20 ... +60 °C -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	168 mm
net weight	102 g
product features, product functions, product components / general	
number of plug-in cards of same design / plug-in / per PC station	4
number of units / note	FMS-5613 supports up to two CP 5603 / CP 5613 A2 / CP 5614 A2 / CP 5623 / CP 5624 processors
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
<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 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
<b>performance data / FMS functions</b>	
software / for FMS communication / required	Yes, FMS-5613
number of possible connections / for FMS connection / maximum	40
<b>performance data / S7 communication</b>	
software / for S7 communication / required	Yes, HARDNET-PB S7 (S7-5613)
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</b>	
standard	
• for EMC	2004/108/EC
• for safety / from CSA and UL	CAN/CSA C22.2 & UL 60950-1
• for emitted interference	EN 61000-6-3, EN 61000-6-4
• for interference immunity	EN 61000-6-1, EN 61000-6-2
certificate of suitability	
• CE marking	Yes
• C-Tick	Yes
<b>further information / internet links</b>	
internet link	
• to web page: selection aid TIA Selection Tool	<a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a>
• to website: Industrial communication	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
• to website: Industry Mall	<a href="http://www.siemens.com/industrial-controls/mall">http://www.siemens.com/industrial-controls/mall</a>
• to website: Information and Download Center	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
• to website: Image database	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
• to website: CAx-Download-Manager	<a href="http://www.siemens.com/cax">http://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 security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security

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concept. With this in mind, Siemens' products and solutions undergo 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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