

product type designation



CP 5614 A3

Communications processor CP 5614 A3, PCI card (32-bit; 3.3/5V; 33/66 MHz); with master and slave 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; software+electr. manuals on DVD; 2 languages (de, en); operating system support see SIMATIC NETsoftware.

Technical Product Detail Page

<https://l.siemens.com/1P6GK1561-4AA02>

transfer rate

transfer rate

- | | |
|--|--------------------------|
| • at the 1st interface / according to PROFIBUS | 9.6 kbit/s ... 12 Mbit/s |
| • at the 2nd interface / according to PROFIBUS | 9.6 kbit/s ... 12 Mbit/s |

interfaces

number of electrical connections

- | | |
|--|---|
| • at the 1st interface / according to PROFIBUS | 1 |
| • at the 2nd interface / according to PROFIBUS | 1 |

type of electrical connection

- | | |
|--|---|
| • at the 1st interface / according to PROFIBUS | 9-pin Sub-D socket (RS 485) |
| • at the 2nd 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 | 0.3 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

width

18 mm

height

107 mm

depth

125 mm

net weight	0.113 kg
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	-
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	142.75 kg
• during manufacturing	33.23 kg
• during operation	109.46 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

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Approvals / Certificates

General Product Approval

[Declaration of Conformity](#)



[China RoHS](#)

General Product Approval

EMV

Environment



[KC](#)



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