SIEMENS

## Data sheet 6GK1562-4AA00

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| **product type designation** | **CP 5624** |



communications processor CP 5624 PCI Express X1 (3. 3 V) with master and device connection to PB; 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.

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| product brand name | SIMATIC NET |
| Technical Product Detail Page | https://i.siemens.com/1P6GK1562-4AA00 |
| **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 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 | 0.75 A |
| ● 2 / from backplane bus / at DC / maximum | 0.3 A |
| power loss [W] | 6.1 W |
| **ambient conditions** | |
| ambient temperature | |
| ● during operation | 5 ... 60 °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 |


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| depth | 168 mm |
| net weight | 117 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 |
| **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 / FMS functions** | |
| software / for FMS communication / required | Yes, FMS-5613 |
| number of possible connections / for FMS connection / maximum | 40 |
| **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 | 200.03 kg |
| ● during manufacturing | 33.2 kg |
| ● during operation | 166.77 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 |


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| ● 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

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| 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 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 | Manufacturer Declaration

| General Product Approval | EMV | Environment |
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| China RoHS | | |

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