# SIEMENS

| Data sheet | 6GK1562-3AA00 |
|---|---|

| Product type designation | **CP 5623** |
|---|---|
| | COMMUNICATION PROCESSOR CP 5623 PCI EXPRESS X1 (3.3V) FOR CONNECTION TO PROFIBUS; INCL.DP-BASE SW,NCM PC: DP-RAM INTERF.F.DP-MASTER INCL. PG- AND FDL-PROTOCOL, SINGLE LICENSE F.1 INSTALLATION, R-SW, CLASS A;SW + ELECTR. MAN. ON CD 2-LANGUAGE (GER,ENG); SUPPORT FOR OPERATING SYSTEM SEE SIMATIC NET SW |

## Transmission rate

| | |
|---|---|
| Transfer rate | |
| • at the 1st interface / acc. to PROFIBUS | 9.6 kbit/s ... 12 Mbit/s |

## Interfaces

| | |
|---|---|
| Number of electrical connections | |
| • at the 1st interface / acc. to PROFIBUS | 1 |
| Type of electrical connection | |
| • at the 1st interface / acc. to PROFIBUS | 9-pin Sub-D socket (RS 485) |

## 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 / for DC | |
| • at 3.3 V | 9 % |
| • at 12 V | 8 % |
| Consumed current | |
| • 1 / from backplane bus / for DC / maximum | 0.72 A |
| • 2 / from backplane bus / for DC / maximum | 0.25 A |
| Active power loss | 5.4 W |

## Permitted ambient conditions

| | |
|---|---|
| Ambient temperature | |
| • during operation | 5 ... 60 °C |

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| | |
|---|---|
| • 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 weight

| | |
|---|---|
| Module format | PCI Express x1 (half length) |
| Width | 21.6 mm |
| Height | 126.3 mm |
| Depth | 180.5 mm |
| Net weight | 102 g |
| 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

## 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 slaves / on DP master / usable | 124 |
| Amount of data | |
| • of the address area of the inputs / as DP master / total | 30256 byte |
| • of the address area of the outputs / as DP master / total | 30256 byte |
| • of the address area of the inputs / per DP slave | 244 byte |
| • of the address area of the outputs / per DP slave | 244 byte |
| • of the address area of the diagnostic data / per DP slave | 244 byte |
| Software / for DP slave function / required | No |
| Service / as DP slave | |
| • DPV0 | Yes |

| | |
|---|---|
| • DPV1 | Yes |
| **Amount of data** | |
| • of the address area of the inputs / as DP slave / total | 244 byte |
| • of the address area of the outputs / as DP slave / 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

| | |
|---|---|
| Configuration software / required | Included in scope of supply |

## Product functions / Diagnosis

| | |
|---|---|
| **Product function** | |
| • Port diagnostics | Yes |

## Standards, specifications, approvals

| | |
|---|---|
| **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 |

## Further Information / Internet Links

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|---|---|
| **Internet-Link** | |
| • to website: Selector SIMATIC NET SELECTION TOOL | http://www.siemens.com/snst |
| • to website: Industrial communication | http://www.siemens.com/simatic-net |
| • to website: Industry Mall | http://www.siemens.com/industrial-controls/mall |
| • to website: Information and Download Center | http://www.siemens.com/automation/net/catalog |
| • to website: Image database | http://automation.siemens.com/bilddb |

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| • to website: CAx Download Manager | http://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 security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security 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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