

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 | |
| <ul style="list-style-type: none"> at the 1st interface / according to PROFIBUS | 9.6 kbit/s ... 12 Mbit/s |
| interfaces | |
| number of electrical connections | |
| <ul style="list-style-type: none"> at the 1st interface / according to PROFIBUS | 1 |
| type of electrical connection | |
| <ul style="list-style-type: none"> at the 1st interface / according to PROFIBUS of the backplane bus | 9-pin Sub-D socket (RS 485) PCI Express x1 |
| supply voltage, current consumption, power loss | |
| type of voltage / of the supply voltage | DC |
| supply voltage | |
| <ul style="list-style-type: none"> 1 / from backplane bus 2 / from backplane bus | 3.3 V 12 V |
| relative symmetrical tolerance / at DC | |
| <ul style="list-style-type: none"> at 3.3 V at 12 V | 9 % 8 % |
| consumed current | |
| <ul style="list-style-type: none"> 1 / from backplane bus / at DC / maximum 2 / from backplane bus / at DC / maximum | 0.3 A 0.25 A |
| power loss [W] | 4 W |
| ambient conditions | |
| ambient temperature | |
| <ul style="list-style-type: none"> during operation during storage during transport | 5 ... 55 °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 | 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 | - |
| 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 |
| 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 | 127.99 kg |
| • during manufacturing | 18.9 kg |
| • during operation | 109 kg |
| • after end of life | 0.09 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 | |
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Approvals / Certificates

General Product Approval

Environment



[China RoHS](#)



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