# SIEMENS

**Data sheet**                                                      **6GK1571-1AA00**

| product type designation | **CP 5711** |
|---|---|
|  | Communications processor CP 5711 USB adapter (USB V2.0) for connection of a PG or Notebook to PROFIBUS or MPI; contain 2 m USB cable. |

| **transfer rate** | |
|---|---|
| transfer rate | |
| ● at the 1st interface / according to PROFIBUS | 9.6 kbit/s ... 12 Mbit/s |
| **interfaces** | |
| number of electrical connections | |
| ● at the 1st interface / according to PROFIBUS | 1 |
| ● for power supply | 1 |
| number of interfaces / according to USB | 1 |
| type of electrical connection | |
| ● at the 1st interface / according to PROFIBUS | 9-pin Sub-D socket (RS 485) |
| ● for power supply | 2-pole terminal block |
| ● of the USB interface | Standard-B socket with mechanical interlock |
| standard for interfaces / USB 2.0 | Yes |
| **supply voltage, current consumption, power loss** | |
| type of voltage / of the supply voltage | DC |
| type of voltage supply / optional external power supply | Yes |
| supply voltage | |
| ● from USB | 5 V |
| ● external | 24 V |
| ● external | 18 ... 30 V |
| ● note | Supplied directly from USB provided that supply from PC is adequate; alternative external supply is possible |
| relative symmetrical tolerance / at DC | |
| ● at 5 V | 5 % |
| ● at 24 V | 5 % |
| consumed current | |
| ● from USB | 0.5 A |
| ● from external supply voltage / at DC / at 24 V / maximum | 0.3 A |
| power loss [W] | 2.5 W |
| **ambient conditions** | |
| ambient temperature | |
| ● during operation | 0 ... 60 °C |
| ● during storage | -40 ... +60 °C |
| ● during transport | -40 ... +60 °C |
| relative humidity / at 25 °C / without condensation / during operation / maximum | 85 % |
| protection class IP | IP20 |
| **design, dimensions and weights** | |
| module format | USB V2.0 adapter |
| width | 85 mm |

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|---|---|
| height | 137 mm |
| depth | 35 mm |
| net weight | 300 g |
| fastening method | Mounting on DIN rail with optional mounting rail support |
| fastening method / 35 mm DIN-rail mounting | Yes |
| **product features, product functions, product components / general** | |
| number of plug-in cards of same design / plug-in / per PC station | 1 |
| number of units / note | - |
| **performance data / open communication** | |
| software / for open communication / by means of SEND/RECEIVE / required | Yes, SOFTNET-PB DP / SOFTNET-PB DP Slave / SOFTNET-PB S7 |
| number of possible connections / for open communication / by means of SEND/RECEIVE / maximum | 50 |
| **performance data / PROFIBUS DP** | |
| software / for DP master function / required | Yes, SOFTNET-PB DP |
| service / as DP master | |
| ● DPV0 | Yes |
| ● DPV1 | No |
| ● DPV2 | No |
| number of DP slaves / on DP master / operable | 64 |
| data volume | |
| ● of the address range of the inputs / as DP master / total | 15616 byte |
| ● of the address range of the outputs / as DP master / total | 15616 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 | Yes, SOFTNET-PB DP slave |
| service / as DP slave | |
| ● DPV0 | Yes |
| ● DPV1 | No |
| data volume | |
| ● of the address range of the inputs / as DP slave / total | 122 byte |
| ● of the address range of the outputs / as DP slave / total | 122 byte |
| **performance data / S7 communication** | |
| software / for S7 communication / required | Yes, SOFTNET-PB S7 |
| number of possible connections / for S7/PG communication / maximum | 8 |
| **performance data / multi-protocol mode** | |
| number of configurable connections / per PC station | 207 |
| **product functions / management, configuration, engineering** | |
| configuration software / required | Included in the scope of delivery of the required software product |
| **product functions / diagnostics** | |
| product function | |
| ● port diagnostics | Yes |
| **standards, specifications, approvals** | |
| reference code | |
| ● according to IEC 81346-2:2019 | KEC |
| product function / is supported / identification link | Yes; acc. to IEC 61406-1:2022 |
| **standards, specifications, approvals / Environmental Product Declaration** | |
| global warming potential [$CO_2$ eq] | |
| ● total | 87.12 kg |
| ● during manufacturing | 17.94 kg |
| ● during operation | 69.05 kg |
| ● after end of life | 0.13 kg |
| **accessories** | |
| accessories | optional: MPI cable, mounting rail support |
| **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

| CE EG-Konf. | Declaration of Conformity | UKCA | CCC | EAC | UL |
|---|---|---|---|---|---|

| General Product Approval | EMV | For use in hazardous locations | | Environment |
|---|---|---|---|---|
| RCM | KC | ATEX | IECEx | CCC-Ex     Confirmation |

### Environment

EPD

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| last modified: | 2/18/2025 |