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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.



Technical Product Detail Page	https://i.siemens.com/1P6GK1571-1AA00
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)
● 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	

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module format	USB V2.0 adapter
width	85 mm
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 devices / 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 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	Yes, SOFTNET-PB DP slave
service / as DP device	
● DPV0	Yes
● DPV1	No
data volume	
● of the address range of the inputs / as DP device / total	122 byte
● of the address range of the outputs / as DP device / 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	
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 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	

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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	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

General Product Approval	EMV	For use in hazardous locations
	KC	CCC-Ex

Environment

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