MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Amikon cover with selected official Siemens pages

SIMATIC NET

6GK1561-1AA01

CP 5611 A2 COMMUNICATIONS PROCESSOR

OFFICIAL SOURCES

Siemens official documentation for 6GK1561-1AA01. Selected pages retain their original content, color and aspect ratio.

SIEMENS

Data sheet 6GK1561-1AA01

product type designation	**CP 5611 A2**



- - spare part - - communications processor CP 5611 A2 PCI card (32-bit; 3.3/5V; 33/66 MHz) for connection of a PG or PC with PCI bus to PROFIBUS or MPI (no Windows 9x support!) currently only 32-bit support with SIMATIC NET V8.2 software! Only for old applications, from Windows XP is 6GK1561-2AA00 recommended see http:/support. automation.siemens. com/WW/view/en/84138725.

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
type of electrical connection	
● at the 1st interface / according to PROFIBUS	9-pin Sub-D socket (RS 485)
● of the backplane bus	PCI (32Bit 3,3V/5V UniversalKey 33/66MHz)
supply voltage, current consumption, power loss	
type of voltage / of the supply voltage	DC
supply voltage	
● 1 / from backplane bus	5 V
relative symmetrical tolerance / at DC	
● at 5 V	5 %
consumed current	
● 1 / from backplane bus / at DC / maximum	0.5 A
power loss [W]	2.5 W
ambient conditions	
ambient temperature	
● during operation	5 ... 55 °C
● during storage	-20 ... +60 °C
● during transport	-20 ... +60 °C
relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP00
design, dimensions and weights	
module format	PCI
width	18 mm
height	102 mm
depth	130 mm
net weight	100 g
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	50

Subject to change without notice
© Copyright Siemens

means of SEND/RECEIVE / maximum	
performance data / PROFIBUS DP	
software / for DP master function / required	Yes, SOFTNET-PB DP
service / as DP master	
● DPV0	Yes
● DPV1	Yes
● DPV2	No
number of DP slaves / on DP master / operable	64
data volume	
● of the address range of the inputs / as DP master / total	14640 byte
● of the address range of the outputs / as DP master / total	14640 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
accessories	
accessories	optional: MPI cable
further information / internet links	
internet link	
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to website: Industrial communication	https://www.siemens.com/simatic-net
● 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	Environment

Subject to change without notice
© Copyright Siemens



Declaration of Conformity







Confirmation

last modified: 2/18/2025

Subject to change without notice
© Copyright Siemens