SIEMENS

Data sheet   **6GK1161-3AA01**

product type designation	CP 1613 A2

********** spare part ********* communications processor CP 1613 A2 PCI card (32-bit; 33 MHz/ 66 MHz; 3, 3 V/5 V universal key) for connection to Industrial Ethernet (10/100 Mbit/s) with ITP and RJ 45 connection via HARDNET-IE S7 and S7-Redconnect. operating system support see SIMATIC NETsoftware.

transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s

interfaces	
number of electrical connections	
● at the 1st interface / according to Industrial Ethernet	2
type of electrical connection	
● at the 1st interface / according to Industrial Ethernet	RJ45 port / 15-pin ITP connection

supply voltage, current consumption, power loss	
type of voltage / of the supply voltage	DC
supply voltage	
● 1 / from backplane bus	5 V
● 2 / from backplane bus	12 V
relative symmetrical tolerance / at DC	
● at 5 V	5 %
● at 12 V	5 %
consumed current	
● 1 / from backplane bus / at DC / maximum	0.45 A
● 2 / from backplane bus / at DC / maximum	0.5 A
power loss [W]	4 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	21.6 mm
height	107 mm
depth	167 mm
net weight	140 g

product features, product functions, product components / general	
number of plug-in cards of same design / plug-in / per PC station	4
number of units / note	-

performance data / open communication	
software / for open communication / by means of SEND/RECEIVE / required	Yes, HARDNET-IE S7 (S7-1613)

number of possible connections / for open communication / by means of SEND/RECEIVE / maximum	120

performance data / S7 communication	
software / for S7 communication / required	Yes, HARDNET-IE S7 (S7-1613)
number of possible connections / for S7/PG communication / maximum	120
number of possible connections / for optimized S7 communication / maximum	40

performance data / multi-protocol mode	
number of active connections / with multi-protocol mode	120
number of configurable connections / per PC station	207

performance data / PROFINET CBA	
software / for PROFINET CBA communication / required	Yes, PN CBA OPC server
number of remote connection partners / with PROFINET CBA	228
number of connections / with PROFINET CBA / total	10000

product functions / management, configuration, engineering	
product function / MIB support	Yes
protocol / is supported	
● SNMP v1	Yes
● SNMP v3	No
● DCP	Yes
● LLDP	No
configuration software / required	Included in the scope of delivery of the required software product
configuration software / for PROFINET CBA / required	Yes, SIMATIC iMAP
identification & maintenance function	
● I&M0 - device-specific information	Yes
● I&M1 - higher level designation/location designation	Yes
● I&M2 - installation date	No
● I&M3 - comment	No
● I&M4 - signature	No
● I&M4 - OEM data	No

product functions / redundancy	
software / for redundancy function / required	Yes, HARDNET-IE S7-REDCONNECT for communication with SIMATIC S7 H systems

product functions / time	
product function / SICLOCK support	Yes
protocol / is supported / NTP	No

standards, specifications, approvals	
standard	
● for EMC	2004/108/EC
● for safety / from CSA and UL	CAN/CSA C22.2 & UL 60950-1, UL 1950
● 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	
internet link	
● to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
● to website: Industrial communication	http://www.siemens.com/simatic-net
● to website: Image database	http://automation.siemens.com/bilddb
● to website: CAx-Download-Manager	http://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

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Approvals / Certificates

General Product Approval					EMV
Manufacturer Declaration	Declaration of Conformity	CE EG-Konf.	RCM	EAC	KC

Environment

Confirmation

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