

Product type designation

CP 1613 A2
 COMMUNICATION PROCESSOR CP 1613 A2 PCI CARD
 (32BIT;33MHZ/66MHZ; 3.3V/5V UNIVERSAL KEY) FOR
 CONNECTION TO IND. ETHERNET (10/100MBIT/S) WITH ITP AND
 RJ 45 PORT VIA HARDNET-IE S7 AND S7-REDCONNECT.
 SUPPORT FOR OPERATING SYSTEM SEE SIMATIC NET SW



Transmission rate	
Transfer rate	10 Mbit/s, 100 Mbit/s
Interfaces	
Number of electrical connections	2
<ul style="list-style-type: none"> at the 1st interface / acc. to Industrial Ethernet 	
Type of electrical connection	RJ45 port / 15-pin ITP connection
<ul style="list-style-type: none"> at the 1st interface / acc. to Industrial Ethernet 	
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 	5 V
<ul style="list-style-type: none"> 2 / from backplane bus 	12 V
Relative symmetrical tolerance / at DC	
<ul style="list-style-type: none"> at 5 V 	5 %
<ul style="list-style-type: none"> at 12 V 	5 %
Consumed current	
<ul style="list-style-type: none"> 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

Permitted 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 weight

Module format	PCI
Width	21.6 mm
Height	107 mm
Depth	167 mm
Net weight	140 g
Number of plug-in cards of same design / plug-in / per PC station	4
Number of units / Note	-

Performance data

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	
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 website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	http://www.siemens.com/industrial-controls/mall
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb

- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

Security information

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