

Product type designation

CP 1612 A2



COMMUNICATION PROCESSOR CP 1612 A2 PCI-CARD (32 BIT; 3.3/5V UNIVERSAL KEYED) FOR CONNECT. TO IND. ETHERNET (10/100/1000MBIT/S) WITH RJ45 PORT VIA SOFTNET-S7 AND SOFTNET-PG SUPPORT FOR OPERATING SYSTEM SEE SIMATIC NET SW RELEASED FOR SIMATIC NET CD 2008 SP2 AND HIGHER

Transmission rate

Transfer rate / at the 1st interface 10 ... 1000 Mbit/s

Interfaces

Number of electrical connections / at the 1st interface / acc. to Industrial Ethernet 1

Design of the electrical connection

- at the 1st interface
- acc. to Industrial Ethernet

RJ45 port

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

- for DC / at 5 V 5 %
- for DC / at 12 V 5 %

Consumed current

- 1 / from backplane bus / for DC / maximum 0.45 A
- 2 / from backplane bus / for DC / maximum 0.5 A

Active power loss 3.65 W

Permitted ambient conditions	
Ambient temperature	
• during operation	0 ... 55 °C
• during storage	-10 ... +70 °C
• during transport	-10 ... +70 °C
Relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP00
Design, dimensions and weight	
Module format	PCI
Width	18 mm
Height	59 mm
Depth	140 mm
Net weight	60 g
Product properties, functions, components / general	
Number of plug-in cards of same design / plug-in / per PC station	2
Number of units / Note	-
Performance data	
Performance data / open communication	
Software / for open communication / by means of SEND/RECEIVE / required	Yes, SOFTNET-IE S7 (64 conn.) / SOFTNET-IE S7 Lean (8 conn.)
Number of possible connections / for open communication / by means of SEND/RECEIVE / maximum	64
Performance data / S7 communication	
Software / for S7 communication / required	Yes, SOFTNET-IE S7 (64 conn.) / SOFTNET-IE S7 Lean (8 conn.)
Number of possible connections	
• for S7/PG communication / maximum	64
Performance data / multi-protocol mode	
Number of active connections / with multi-protocol mode	64
Number of configurable connections / per PC station	207
Performance data / PROFINET communication / as PN IO-Controller	
Software / for PROFINET IO communication / required	Yes, SOFTNET-IE PN IO
Number of PN IO devices / on PROFINET IO controller / usable / total	64
Number of PN IO IRT devices / on PROFINET IO controller / usable	0
Amount of data	
• as user data for input variables / as PROFINET IO controller / maximum	4096 byte
• as user data for input variables / as PROFINET IO controller / maximum	4096 byte

<ul style="list-style-type: none"> • as user data for input variables per PN IO device / as PROFINET IO controller / maximum 	1472 byte
<ul style="list-style-type: none"> • as user data for output variables per PN IO device / as PROFINET IO controller / maximum 	1472 byte
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	No
Protocol / is supported	
<ul style="list-style-type: none"> • SNMP v1 	Yes
<ul style="list-style-type: none"> • SNMP v3 	No
<ul style="list-style-type: none"> • DCP 	Yes
<ul style="list-style-type: none"> • LLDP 	Yes
Configuration software	
<ul style="list-style-type: none"> • for PROFINET CBA / required 	Yes, SIMATIC iMAP
Identification & maintenance function	
<ul style="list-style-type: none"> • I&M0 - device-specific information 	Yes
<ul style="list-style-type: none"> • I&M1 – higher-level designation/location designation 	Yes
<ul style="list-style-type: none"> • I&M2 - installation date 	No
<ul style="list-style-type: none"> • I&M3 - comment 	No
<ul style="list-style-type: none"> • I&M4 - signature 	No
Standards, specifications, approvals	
Standard	
<ul style="list-style-type: none"> • for EMC 	2004/108/EC
<ul style="list-style-type: none"> • for safety / from CSA and UL 	CAN/CSA C22.2 & UL 60950-1, UL 1950
<ul style="list-style-type: none"> • for emitted interference 	EN 61000-6-3, EN 61000-6-4
<ul style="list-style-type: none"> • for interference immunity 	EN 61000-6-1, EN 61000-6-2
Certificate of suitability	
<ul style="list-style-type: none"> • CE marking 	Yes
<ul style="list-style-type: none"> • C-Tick 	Yes
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