

product type designation



CP 1612 A2

communications processor CP 1612 A2 PCI card (32-bit; 3.3/5 V universal keyed) for connection to Industrial Ethernet (10/100/1000 Mbit/s) with RJ45 connection via SOFTNET S7 and SOFTNET PG operating system support see SIMATIC NET software released as of SIMATIC NET CD 2008 SP2.

transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
interfaces	
number of electrical connections	1
<ul style="list-style-type: none"> at the 1st interface / acc. to Industrial Ethernet 	
type of electrical connection	RJ45 port
<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
<ul style="list-style-type: none"> 2 / from backplane bus / at DC / maximum 	0.5 A
power loss [W]	3.65 W
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> during operation 	0 ... 55 °C
<ul style="list-style-type: none"> during storage 	-10 ... +70 °C
<ul style="list-style-type: none"> during transport 	-10 ... +70 °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	59 mm
depth	140 mm
net weight	60 g
product features, product functions, product components / general	
number of plug-in cards of same design / plug-in / per PC station	2
number of units / note	-
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 / operable / total	64
number of PN IO IRT devices / on PROFINET IO controller / operable	0
data volume	
• as user data for input variables / as PROFINET IO controller / maximum	4096 byte
• as user data for output variables / as PROFINET IO controller / maximum	4096 byte
• as user data for input variables per PN IO device / as PROFINET IO controller / maximum	1430 byte
• as user data for output variables per PN IO device / as PROFINET IO controller / maximum	1430 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, engineering	
product function / MIB support	No
protocol / is supported	
• SNMP v1	Yes
• SNMP v3	No
• DCP	Yes
• LLDP	Yes
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
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: 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
- to website: CAx-Download-Manager
- to website: Industry Online Support

<http://automation.siemens.com/bilddb>

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

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

security information

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