

Product type designation



CP 5614 A3

COMMUNICATION PROCESSOR CP 5614 A3, PCI-CARD (32BIT; 3.3/5V; 33/66MHZ); WITH MASTER UND SLAVE INTERFACE FOR CONNECT. TO PROFIBUS; INCL. CONFIGURATION TOOL AND DP-BASE SOFTWARE: DP-RAM INTERFACE FOR DP-MASTER; INCL. PG- AND FDL-PROTOCOL; SINGLE LICENSE FOR 1 INSTALLAT. RUNTIME SOFTWARE, CLASS A; SW + ELECTR. MANUALS ON DVD 2-LANGUAGES (G,E); SUPPORT FOR OPERATING SYSTEM SEE SIMATIC NET SOFTWARE V12

Transmission rate

Transfer rate

- | | |
|---|--------------------------|
| • at the 1st interface / acc. to PROFIBUS | 9.6 kbit/s ... 12 Mbit/s |
| • at the 2nd interface / acc. to PROFIBUS | 9.6 kbit/s ... 12 Mbit/s |

Interfaces

Number of electrical connections

- | | |
|---|---|
| • at the 1st interface / acc. to PROFIBUS | 1 |
| • at the 2nd interface / acc. to PROFIBUS | 1 |

Type of electrical connection

- | | |
|---|-----------------------------|
| • at the 1st interface / acc. to PROFIBUS | 9-pin Sub-D socket (RS 485) |
| • at the 2nd interface / acc. to PROFIBUS | 9-pin Sub-D socket (RS 485) |

Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage

DC

Supply voltage

- | | |
|--------------------------|-------|
| • 1 / from backplane bus | 3.3 V |
| • 2 / from backplane bus | 12 V |

Relative symmetrical tolerance / at DC

• at 3.3 V • at 12 V	9 %
Consumed current	8 %
• 1 / from backplane bus / at DC / maximum • 2 / from backplane bus / at DC / maximum	0.15 A
Active power loss	0.3 A
	4 W

Permitted ambient conditions

Ambient temperature	
• during operation • during storage • during transport	5 ... 55 °C
	-20 ... +60 °C
	-20 ... +60 °C
Relative humidity / at 25 °C / without condensation / during operation / maximum	85 %
Protection class IP	IP00

Design, dimensions and weight

Module format	PCI
Width	18 mm
Height	107 mm
Depth	125 mm
Net weight	0.118 kg
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	FDL driver included in scope of delivery of the CP
Number of possible connections / for open communication / by means of SEND/RECEIVE / maximum	80

Performance data / PROFIBUS DP

Software / for DP master function / required	No
Service / as DP master	
• DPV0 • DPV1 • DPV2	Yes
	Yes
	Yes
Number of DP slaves / on DP master / usable	124
Amount of data	
• of the address area of the inputs / as DP master / total • of the address area of the outputs / as DP master / total	30256 byte
	30256 byte

• of the address area of the inputs / per DP slave	244 byte
• of the address area of the outputs / per DP slave	244 byte
• of the address area of the diagnostic data / per DP slave	244 byte
Software / for DP slave function / required	No
Service / as DP slave	
• DPV0	Yes
• DPV1	Yes
Amount of data	
• of the address area of the inputs / as DP slave / total	244 byte
• of the address area of the outputs / as DP slave / total	244 byte

Performance data / S7 communication

Software / for S7 communication / required	Yes, HARDNET-PB S7 (S7-5613)
Number of possible connections / for S7/PG communication / maximum	50

Performance data / multi-protocol mode

Number of active connections / with multi-protocol mode	50
Number of configurable connections / per PC station	207

Product functions / management, configuration

Configuration software / required	Included in scope of supply
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Product functions / Diagnosis

Product function	
• Port diagnostics	Yes

Standards, specifications, approvals

Standard	
• for EMC	89/336/EEC
• for safety / from CSA and UL	CAN/CSA C22.2 & UL 60950-1, UL 1950
• for emitted interference	EN 61000-6-3
• for interference immunity	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
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/industrial-controls/mall>
<http://www.siemens.com/automation/net/catalog>
<http://automation.siemens.com/bilddb>
<http://www.siemens.com/cax>
<https://support.industry.siemens.com>

Security information

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