

Product type designation

CP 5614 A2

COMMUNICATION PROCESSOR CP 5614 A2, PCI CARD W. MASTER- A. SL.CONNECT. TO PB; INCL.DP-BASE SW, PROJ.TOOL: DP RAM INTER.F.DP MASTER INCL. PG AND FDL PROTOCOL, SINGLE LICENSE F.1 INSTALLATION,R-SW, CLASS A;SW+ELECTR. MANUAL ON CD 2 LANG. (GER, EN); SUPPORT FOR OPERATING SYSTEM SEE SIMATIC NET SW ONLY FOR OLD APLICATIONS, FOR WINDOWS 7 OR HIGHER CP 5614 A3 IS RECOMMENDED: 6GK15614AA02



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 | 5 V |
|--------------------------|-----|

Relative symmetrical tolerance / at DC

- | | |
|----------|-----|
| • at 5 V | 5 % |
|----------|-----|

Consumed current	
• 1 / from backplane bus / at DC / maximum	0.9 A
Active power loss	4.5 W

Permitted ambient conditions

Ambient temperature	
• during operation	5 ... 50 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °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	168 mm
Net weight	120 g
Number of plug-in cards of same design / plug-in / per PC station	4
Number of units / Note	FMS-5613 supports up to two CP 5603 / CP 5613 A2 / CP 5614 A2 / CP 5623 / CP 5624 processors

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	Yes
• DPV1	Yes
• DPV2	Yes
Number of DP slaves / on DP master / usable	124
Amount of data	
• of the address area of the inputs / as DP master / total	30256 byte
• of the address area of the outputs / as DP master / total	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 / FMS functions	
Software / for FMS communication / required	Yes, FMS-5613
Number of possible connections / for FMS connection / maximum	40
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
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 50081-1, EN 50081-2
• for interference immunity	EN 50082-1, EN 50082-2
Certificate of suitability	
• CE marking	Yes
• C-Tick	Yes
Further Information / Internet Links	
Internet-Link	

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

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

<http://www.siemens.com/simatic-net>

<http://www.siemens.com/industrial-controls/mall>

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

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

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

Security information

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