MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6GK1551-2AA00

CP 5512 PROFIBUS COMMUNICATIONS PROCESSOR

Used with the applicable SIMATIC NET configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens product data sheet, 6GK1551-2AA00

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Data sheet 6GK1551-2AA00

Product type designation

CP 5512
COMMUNICATION PROCESSOR CP 5512 PC CARD (CARDBUS, 32 BITS) FOR CONNECTION OF A PG OR NOTEBOOK TO PROFIBUS OR MPI



Transmission rate	
Transfer rate	
• at the 1st interface / acc. to PROFIBUS	9.6 kbit/s ... 12 Mbit/s
Interfaces	
Number of electrical connections	
• at the 1st interface / acc. to PROFIBUS	1
Type of electrical connection	
• at the 1st 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
Relative symmetrical tolerance / at DC	
• at 3.3 V	5 %
Consumed current	
• 1 / from backplane bus / at DC / maximum	0.52 A
Power loss [W]	1.8 W

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Permitted ambient conditions	
Ambient temperature	
• during operation	5 ... 45 °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	PC card Type II CardBus (32 bit)
Width	86 mm
Height	5 mm
Depth	54 mm
Net weight	130 g
Number of plug-in cards of same design / plug-in / per PC station	1
Number of units / Note	-

Performance data

Performance data / open communication	
Software / for open communication / by means of SEND/RECEIVE / required	Yes, SOFTNET-PB DP / SOFTNET-PB DP Slave / SOFTNET-PB S7
Number of possible connections / for open communication / by means of SEND/RECEIVE / maximum	50

Performance data / PROFIBUS DP	
Software / for DP master function / required	Yes, SOFTNET-PB DP
Service / as DP master	
• DPV0	Yes
• DPV1	No
• DPV2	No
Number of DP slaves / on DP master / usable	64
Amount of data	
• of the address area of the inputs / as DP master / total	7808 byte
• of the address area of the outputs / as DP master / total	7808 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	Yes, SOFTNET-PB DP slave

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Service / as DP slave	
• DPV0	Yes
• DPV1	No
Amount of data	
• of the address area of the inputs / as DP slave / total	122 byte
• of the address area of the outputs / as DP slave / total	122 byte

Performance data / S7 communication	
Software / for S7 communication / required	Yes, SOFTNET-PB S7
Number of possible connections / for S7/PG communication / maximum	8

Performance data / multi-protocol mode	
Number of configurable connections / per PC station	207

Product functions / management, configuration	
Configuration software / required	Included in the scope of delivery of the required software product

Product functions / Diagnosis	
Product function	
• Port diagnostics	Yes

Standards, specifications, approvals	
Standard	
• for EMC	2004/108/EC
• for safety / from CSA and UL	CAN/CSA C22.2 & UL 60950-1
• 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	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

Security information

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