SIMATIC NET CP 5611

Product Data Sheet

6GK1561-1AA00

PCI PROFIBUS communication processor

HOST EXPANSION INTERFACE	MAXIMUM PCI BUS CLOCK	NETWORK INTERFACE	BUS RATES
32-bit PCI V2.1, Plug and Play	**33 MHz**	**PROFIBUS/MPI, RS485**	**9.6 kbit/s to 12 Mbit/s**

Siemens 6GK1561-1AA00 is the CP 5611 communications processor for programming devices and PCs with a 32-bit PCI bus. It connects the host to PROFIBUS or MPI through an isolated RS485 interface and a nine-pin female Sub-D connector. Supported transmission rates extend from 9.6 kbit/s to 12 Mbit/s.

01 TECHNICAL DATA

Host expansion interface	32-bit PCI V2.1, Plug and Play
Maximum PCI bus clock	33 MHz
Network interface	PROFIBUS/MPI, RS485
Bus rates	9.6 kbit/s to 12 Mbit/s
Direct PLC coupling signals	Supported up to 187.5 kbit/s
Network connector	9-pin female Sub-D, screw locking
PCI supply	5 V DC; 4.75-5.25 V
Maximum supply current	500 mA
DP processor recommendation	Pentium 166 MHz or equivalent minimum
Operating software scope	Ordered separately from board

Siemens CP 5611 Installation Instructions/Product Information A5E00102070-01; English specifications.

02 ADDITIONAL PRODUCT DATA

Operating temperature	5 to 40 C
Storage temperature	-20 to 60 C
Operating humidity	5-80% RH at 25 C, non-condensing
ESD test immunity	+/-6 kV contact discharge
Operating shock test	5 g half-sine, 10 ms

03 PRODUCT FUNCTION

The short PCI card follows PCI V2.1 Plug and Play requirements with a maximum 33 MHz bus clock. It draws up to 500 mA from the 5 V PCI supply. Direct PLC coupling signals are supported up to 187.5 kbit/s, and the required communications software is separate from the physical adapter.

04 SYSTEM COMPATIBILITY

Install the adapter with the documented electrostatic precautions and connect the nine-pin PROFIBUS/MPI interface. Set the bus address and transmission rate consistently with the segment and its termination.

05 REFERENCE

Siemens CP 5611 Installation Instructions/Product Information A5E00102070-01; English specifications.

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