SIMATIC NET CP 5621

Product Data Sheet

6GK1562-1AA00

CP 5621 PCI Express Interface Card

HOST BUS	HOST LANE CONNECTION	COMPATIBLE LARGER SLOTS	FIELD INTERFACE
PCI Express V1.0a	**PCI Express x1**	**x4, x8, x16**	**Isolated RS485 MPI/PROFIBUS DP**

Siemens 6GK1562-1AA00 is the SIMATIC NET CP 5621 communications processor for PG and PC systems with PCI Express. It connects the host to an MPI/PROFIBUS DP segment through an isolated RS485 interface and a screw-lock nine-pin D-sub socket. The card uses a PCI Express x1 connection and can also operate in x4, x8 or x16 slots.

01 TECHNICAL DATA

Host bus	PCI Express V1.0a
Host lane connection	PCI Express x1
Compatible larger slots	x4, x8, x16
Field interface	Isolated RS485 MPI/PROFIBUS DP
Field connector	9-pin D-sub socket with screw lock
Minimum transfer rate	9.6 kbit/s
Maximum transfer rate	12 Mbit/s
Maximum direct PLC-link rate	187.5 kbit/s
Nodes per segment	32
Maximum network nodes with repeaters	127

Siemens 6GK1562-1AA00 official product data; applicable specification pages.

02 ADDITIONAL PRODUCT DATA

Supply rails	12 V DC and 3.3 V DC
Maximum 12 V current	180 mA
Maximum 3.3 V current	400 mA
Operating temperature	+5 to +55 degrees C
Operating humidity	5 to 85% at 30 degrees C; non-condensing

03 PRODUCT FUNCTION

The bus interface supports 9.6 kbit/s to 12 Mbit/s, with up to 32 devices per segment and up to 127 nodes when segments are linked by repeaters. The card draws up to 180 mA from 12 V and 400 mA from 3.3 V. Its documented operating range is +5 to +55 degrees C, with non-condensing humidity from 5 to 85% at 30 degrees C.

04 SYSTEM COMPATIBILITY

Install the card with the computer switched off and disconnected from its supply, using the host instructions and electrostatic handling precautions. Attach the MPI/PROFIBUS cable to the nine-pin D-sub socket and preserve the bus termination and shielding arrangement. Check the bus speed and node-address plan for the connected segment.

05 REFERENCE

Siemens 6GK1562-1AA00 official product data; applicable specification pages.

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