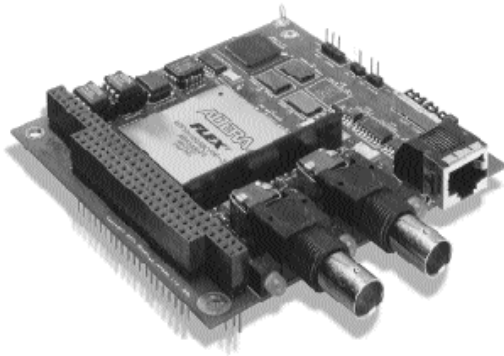


## ControlNet PC/104 Card



The SST ControlNet PC/104 card connects your PC/104 bus computer to ControlNet.

### Specifications:

- Compatible with PC/104 bus
- Intel i960 32-bit RISC 30 Mhz processor
- 1 Mbyte local 32-bit RAM
- 512 Kbytes of shared 16-bit RAM
- 2 Mbytes of 16-bit Flash memory
- Standard ControlNet LEDs for each channel
- LAN Controller (no ControlNet ASICs used) is implemented in a field programmable gate array (FPGA)
- FPGA executes all protocol activity, including scanning I/O without intervention from i960 processor
- FPGA is software field upgradeable
- Network Interface
- 2 BNC connectors
- ControlNet redundancy implemented in hardware on interface card
- 5136-SD DH+ Emulation
- Supports standard PCCC messaging on ControlNet
- Applications using interrupts may require minor changes
- ControlNet Conformance Tested
- Power requirements: 400 mA @ 5 V
- Operational temperature: 0 to 60C (32 to 140°F)
- Storage temperature: -25 to 70C (-13 to 158°F)

**Part Number:** 5136-CN-104

## ControlNet VME Card



The SST ControlNet VME card connects your VME bus computer to ControlNet.

### Specifications:

- Intel i960 32-bit RISC 30 Mhz processor
- 1 Mbyte local 32-bit RAM
- 512 Kbytes of shared 16-bit RAM
- 512 Kbytes of 16-bit Flash memory
- Serial configuration port
- LAN Controller (no ControlNet ASICs used) is implemented in a field programmable gate array (FPGA)
- FPGA executes all protocol activity, including scanning I/O without intervention from i960 processor
- FPGA is software field upgradeable
- Network Interface
- 2 BNC connectors
- ControlNet redundancy implemented in hardware on interface card
- Standard ControlNet LEDs for each channel
- 5136-SD-VME DH+ Emulation
- Supports standard PCCC messaging on ControlNet
- ControlNet Conformance Tested
- Power requirements: 400 mA @ 5 V
- Operational temperature: 0 to 50C (32 to 122°F)
- Storage temperature: -25 to 70C (-13 to 158°F)

### VME Specification:

- Size: double height (6U), single width card using P1 connector compatible with ANSI/IEEE 1014
- Capabilities:
  - Memory: SD16, SD08 (E0), SA24
    - Byte ordering is software selectable
  - Registers: SD08(0), SA16
- Addressing:
  - Standard: 16 Kbytes on any 16 Kbyte boundary, or 512 Kbytes on any 512 Kbyte boundary
  - Short: 32 bytes on any 32 byte boundary
- Interrupts:
  - Software selected 1-7, or none
  - Software set 8 bit status / ID register
  - Release on acknowledge (ROAK)

**Part Number:** 5136-CN-VME