



The BradCommunications™ SST™ ControlNet™ Interfaces provide high-performance control and the support required for your ControlNet applications.

ControlNet™ PC Interfaces

For Controlling and Monitoring ControlNet Applications

Features

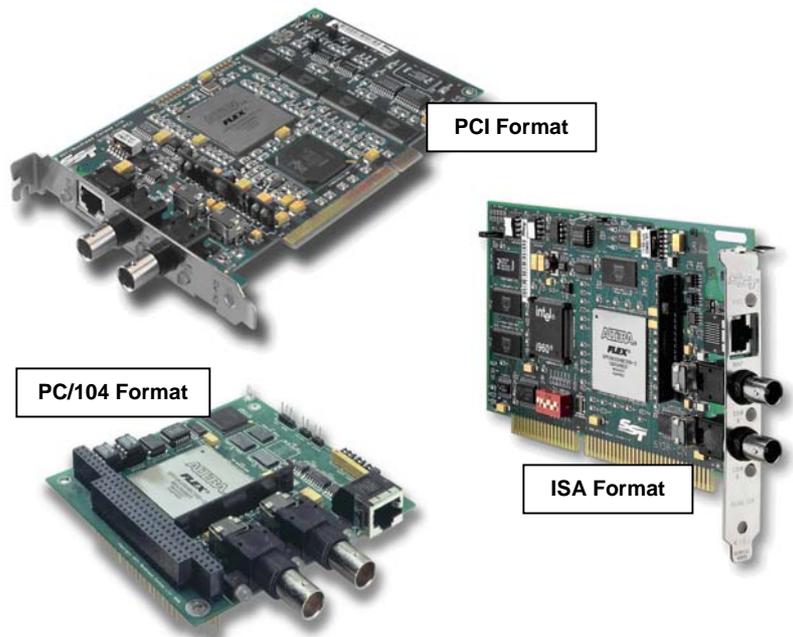
- High performance
 - 32-bit i960 RISC CPU
 - Simultaneous operation of 128 scheduled and 128 unscheduled message screeners
 - Simultaneous functionality of ControlNet messaging, scanner and adapter
- Ease of Use
 - Designed to work with any existing SST 5136-SD DH+ software driver for Operator Interface and HMI applications
 - Works with Rockwell Software's RSLinx allowing compatibility with Rockwell's "RS" family of products
 - Integrated configuration tool included for ControlNet scanner applications
- Diagnostic LEDs
- Network redundancy supported
- Support for various bus formats
- ControlNet conformance tested

Software Tools Included

- Network capture tool
- Network analyzer
- OPC server

OS and Drivers Supported

- Microsoft Windows NT drivers/DLLs
- Open, documented memory map interface with example C source code and Windows 32-bit DLLs for custom driver development
- Rockwell Software RSLinx support



The BradCommunications™ SST™ network interface cards are ideal for applications where high-performance control and reliability are required. Backed by superior support and service, Woodhead network interfaces support a wide range of network protocols and bus formats.

Overview

The BradCommunications SST Network Interface Cards for ControlNet™ connect your computer to ControlNet. Applications where it can be found include:

- Operator Interface
- Human-Machine Interface
- SCADA
- PC Control
- PLC programming
- Network configuration
- Network troubleshooting and diagnostics



BradCommunications™



Network Specifications

| | |
|------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Protocol | <ul style="list-style-type: none"> ControlNet™ |
| Data Rate | <ul style="list-style-type: none"> All ControlNet data rates |
| Cable | <ul style="list-style-type: none"> RG6 Drop cable to tap should be 1 meter long |
| Connector | <ul style="list-style-type: none"> 2 BNC connectors for redundant connections Standard ControlNet NAP port |

Hardware Specifications

| | PCI | ISA | PC/104 |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Bus Interface | Compliant with PCI 2.1 | 16 bit, half-length ISA | Compliant with PC/104 |
| Processor | Intel i960 32-bit RISC 33 Mhz | | |
| Memory | 1 MB | Min. 8K Window in host memory map (max. 512K and default 16K) | Min. 8K Window in host memory map (max. 512K and default 16K) |
| Diagnostics | three LEDs; two for network status and one for system status | | |
| Interrupts | optional | Software selectable level IRQ 0 through 7 | |
| Dimensions (Length x Width) | 6.875 in x 4.2 in (17.463 cm x 10.668 cm) | 6.225 in x 4.2 in (15.812 cm x 10.668 cm) | 9.588 cm x 9.017 cm (3.775 in x 3.550 in) |
| Typical Current Draw | 650 mA @ 5V | | |
| Voltage Requirements | 5V | | |
| Resources | PCI Region 0 = 128 bytes PCI memory PCI Region 2 = 1MB of 32-bit PCI memory PCI Region 3 = 32 bytes of 32-bit PCI memory One PCI interrupt | ISA Memory Region = 512K of 16-bit ISA memory ISA I/O Region = 8 bytes of ISA I/O memory One ISA interrupt | PC/104 Memory Region = 512K of 16-bit PC/104 memory PC/104 I/O Region = 8 bytes of PC/104 I/O memory One PC/104 interrupt |
| Certifications | ControlNet conformance tested | | |
| Operating Temperature | 0°C (32°F) up to +50°C (122°F) | | |
| Storage Temperature | -25°C (-13°F) up to +70°C (158°F) | | |
| Humidity | 5% to 95% non-condensing | | |

Ordering Information

| Part Number | Product Description |
|--------------------------------|-------------------------|
| 5136-CN-PCI | ControlNet card, PCI |
| 5136-CN-ISA | ControlNet card, ISA |
| 5136-CN-104 | ControlNet card, PC/104 |
| Other ControlNet Part Numbers: | |
| 5136-CN-VME | ControlNet card, VME |