



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

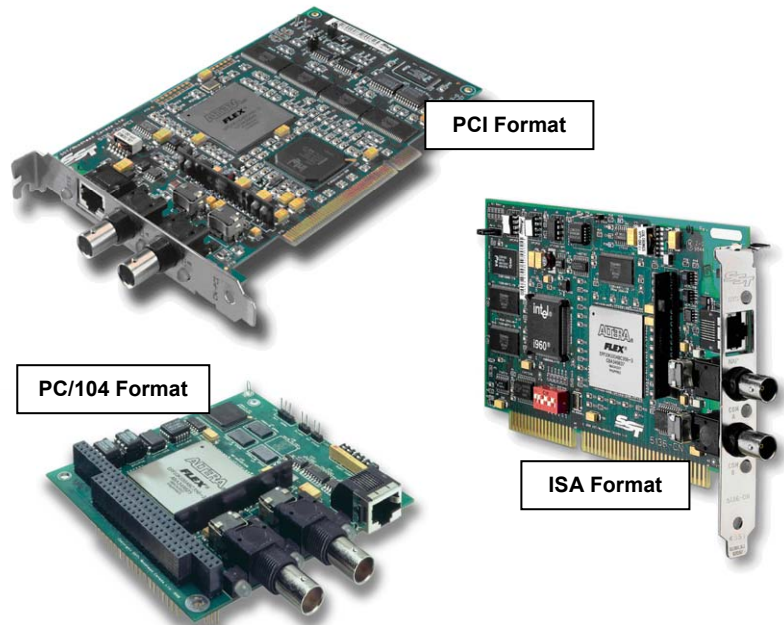
- **High performance**
  - 32-bit i960 RISC CPU
  - Simultaneous operation of 128 scheduled and 128 unscheduled message screeners
  - Simultaneous functionality of ControlNet messaging, scanner and adapter
- **Ease of Use**
  - Designed to work with any existing SST 5136-SD DH+ software driver for Operator 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

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

## Hardware Specifications

	PCI	ISA	PC/104
<b>Bus Interface</b>	Compliant with PCI 2.1	16 bit, half-length ISA	Compliant with PC/104
<b>Processor</b>	Intel i960 32-bit RISC 33 Mhz		
<b>Memory</b>	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)
<b>Diagnostics</b>	three LEDs; two for network status and one for system status		
<b>Interrupts</b>	optional	<b>Software selectable level IRQ 0 through 7</b>	
<b>Dimensions (Length x Width)</b>	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)
<b>Typical Current Draw</b>	650 mA @ 5V		
<b>Voltage Requirements</b>	5V		
<b>Resources</b>	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
<b>Certifications</b>	ControlNet conformance tested		
<b>Operating Temperature</b>	0°C (32°F) up to +50°C (122°F)		
<b>Storage Temperature</b>	-25°C (-13°F) up to +70°C (158°F)		
<b>Humidity</b>	5% to 95% non-condensing		

## Ordering Information

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