

/// **CONTROLNET PC/104 INTERFACE CARD** ///

Overview

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

Applications

Many third party software programs support the SST ControlNet interface card for various applications including:

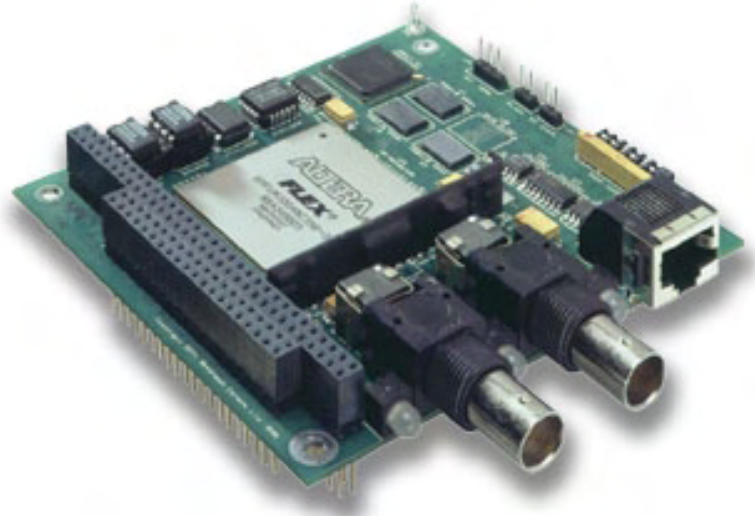
- Operator Interface / HMI / SCADA
- PC Control
- Network Configuration, Troubleshooting and Diagnostics
- PLC Programming

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 software allowing compatibility with Rockwell's "RS" family of products

Custom Driver Development

SST provides an open documented memory map interface with example C source code and Windows 32-Bit DLLs and drivers.



Included with SST ControlNet PC/104 Interface Card

- ControlNet Network Capture Tool
- ControlNet Configuration Tool
- ControlNet Network Analyzer
- Microsoft Windows NT drivers/DLLs
- Rockwell Software RSLinx Support
- Example code and open memory ap interface for custom driver development
- OPC Server
- 24/7 Global Technical Support



Network Interface Cards

www.mySST.com

Distribución: ER-SOFT, S.A. Email: er@er-soft.com, Tel: +34 916 408 408

Hardware 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) 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)

Other Reference Materials

Web Site

- <http://www.mysst.com/cards/controlnet/cnet.asp>

Data Sheets

- OPC Server for ControlNet
- Third Party Product List

Related ControlNet Products

- Network Interface Cards connect various computer bus formats to industrial networks
- Embedded Network Solutions provide OEMs and device manufacturers with connectivity to industrial networks
- Network Diagnostic and Configuration Software
- Network Gateways provide connectivity between two dissimilar networks; over 45 industrial network protocols currently supported
- Data Servers include OPC and DDE Servers

Certifications

- ControlNet Conformance Tested

Affiliations

- SST is an active member of ControlNet International

Ordering Information

- Order part number 5136-CN-104

Also available from SST:

www.mysst.com

**Gateways
PLC Modules
Data Servers
Interface Cards
Embedded Solutions
I/O Simulation Software
Diagnostic and Configuration Software**

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