# DEVICENET COMPACT PCI INTERFACE CARD



#### **Overview**

The SST DeviceNet Compact PCI interface card conner your Compact PCI bus computer to DeviceNet.

### **Applications**

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

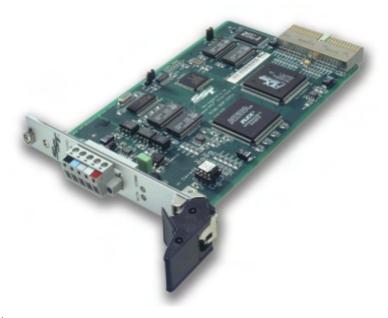
- Operator Interface and HMI
- PC Control
- Network Configuration, Troubleshooting and Diagnostics
- I/O Emulation
- Device Development

#### **Features**

- Entire DeviceNet Protocol is executed in hardware
- UCMM capable, Group 1, 2, and 3 dynamic explicit connections supported
- Simultaneous execution of Group 2 Client (master) and Server (slave) operation
- All DeviceNet standard baud rates supported: 125, 250, and 500 Kbaud
- Full DeviceNet implementation including Change of State (COS) and explicit messaging
- DeviceNet compliance is ensured at the card level for I/O scanner and device applications

# **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 DeviceNet Compact PCI Interface Card

- DeviceNet Network Analyzer and Monitor Diagnostic Software Tools
- DeviceNet Node Commissioning Tool
- OPC Server
- Custom driver development software
- Microsoft Windows 2000/NT/XP drivers/DLLs
- 24/7 Global technical support







www.mySST.com

## **Hardware Specifications**

- 32 bit, 3U Compact PCI interface card
- 256 Kbytes shared RAM (16 Kbytes host interface window)
- High performance 40 MHz processor with 512 Kbytes RAM, 512 Kbytes Flash
- PCI BIOS configurable interrupt support
- DeviceNet compatible 5-pin DeviceNet connector
- DeviceNet compatible network status bicolor indicator
- Plug and play drivers included
- Supports connection to non-powered (3 wire) CAN networks with external 12-24 VDC supply
- Compatible with CAN specification 2.0 part A
- Supports CAN data rates up to 1 Mbaud
- Supports all standard DeviceNet data rates: 125, 250, and 500 Kbaud
- Multiple cards can be configured in the same computer
- 500 V optically isolated CAN interface
- Operational temperature: 0 to 50 C (32 to 122°F)
- Storage temperature: -25 to 70C (-13 to 158°F)
- Power requirements: +5 V +/- 5% 400 mA (typical)

#### **Other Reference Materials**

#### Web Site

www.mysst.com/cards/devicenet/dn.asp

#### **Related DeviceNet Products**

- Network Interface Cards connect various computer bus formats to industrial networks
- Network Diagnostic and Configuration Software
- Network Gateways
- PLC Network Modules connect programmable controllers to industrial networks and I/O devices
- Data Servers include OPC and DDE Servers

#### Certifications

DeviceNet Conformance Tested

#### **Affiliations**

 Active member of the Open DeviceNet Vendor Association (ODVA)

# **Ordering Information**

• Order part number 5136-DNP-CPCI

Also available from SST:

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

**EDNPCPCI** 

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