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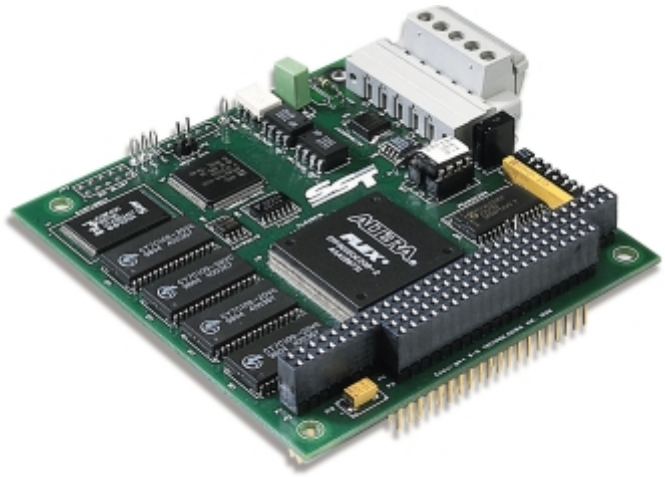
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Find the *Molex / Woodhead / SST 5136-DN-104* at our website: *Click HERE*

# DEVICENET PC/104 INTERFACE CARD

## Overview

The SST™ DeviceNet Pro PC/104 interface card connects your PC/104 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 PC/104 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**

DeviceNet™ CONFORMANCE TESTED

ODVA



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## Hardware Specifications

- Compatible with PC/104 bus
- 256 Kbytes shared host interface memory (16 Kbytes host interface window)
- High performance 40 Mhz processor with 512 Kbytes RAM, 512 Kbytes Flash
- Software configurable interrupts, 2/9, 5, 7, 10, 11, 12 and 15 supported
- DeviceNet compatible 5-pin DeviceNet connector
- DeviceNet compatible network status bicolor indicator
- 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
- DeviceNet Conformance Tested
- Operational temperature: 0 to 60C (32 to 140°F)
- Storage temperature: -25 to 70C (-13 to 158°F)
- Power requirements: +5 V +/- 5% 325 mA (typical)

## Other Reference Materials

**Web Site**

- www.mysst.com/cards/devicenet/dn.htm

## 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-104


www.mySST.com

**Also available from SST:**

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





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