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# DEVICENET PC CARD INTERFACE CARD

## Overview

The SST DeviceNet PC Card connects your PC Card (PCMCIA) bus computer to DeviceNet.

## Applications

Many third party software programs support the SST DeviceNet 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 Pro PC 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



**Network Interface Cards**



[www.mySST.com](http://www.mySST.com)

## Hardware Specifications

- Compliant with PC Card specification 2.1
- Type II PC Card form factor
- High performance 40 Mhz processor with 512 Kbytes RAM and 512 Kbytes Flash
- 256 Kbytes shared RAM (16 Kbytes host interface window)
- Interrupts, none, 5, 7 and 12 supported
- DeviceNet connector options
  - Sealed micro connector
  - DeviceNet compatible 5 pin connector
- DeviceNet compatible network status bicolor indicator
- Plug and play (Windows 95 and 98)
- Supports connection to non-powered (3 wire) CAN network 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
- DeviceNet conformance tested
- 500 V optically isolated CAN interface
- Operational temperature: 0 to 50C (32 to 122°F)
- Storage temperature: -25 to 70C (-13 to 158°F)
- Power requirements: +5 V +/- 5% 450 mA (typical)

## Other Reference Materials

### Web Site

- [www.mysst.com/cards/devicenet/dn.htm](http://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

## Affiliations

- Active member of the Open DeviceNet Vendor Association (ODVA)

## Ordering Information

- Order part number:
  - For 5-pin DeviceNet connector: 5136-DNP-PCM-ST
  - For sealed micro connector: 5136-DNP-PCM-SM

## Also available from SST:

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

[www.mysst.com](http://www.mysst.com)

EDNPPCM

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