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TECHNOLOGY GROUP

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Find the *Molex / Woodhead / SST 5136-DNP-PCM* at our website: *Click HERE*

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.



5-pin DeviceNet connector version



Sealed micro connector version

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**

ODVA

SST™

www.mySST.com

Network Interface Cards

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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

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

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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