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Find the *Molex / Woodhead SST-DN3-PCI-1 / SST-DN3-PCU-1* at our website: *Click HERE*

BradCommunications™ SST™ DeviceNet™ Interfaces provide high-performance control and the support required for your DeviceNet applications.

3rd Generation SST Interfaces

For Controlling and Monitoring DeviceNet Applications

Features

- High performance - DeviceNet protocol executed on the card
- Diagnostic LEDs
- UCMM (Unconnected Message Manager) capable; Group 1, 2, and 3 dynamic explicit connections supported
- Provides simultaneous execution of Group 2 Client (Master) and Server (Slave) operation
- Supports all DeviceNet standard baud rates: 125, 250, and 500 Kbaud
- Supports Poll, Strobe, Change of State (COS) and Cyclic I/O messaging
- Supports fragmented Explicit and I/O messages
- Provides Client (Master) explicit messaging to slave devices

OS and Drivers Supported

- Microsoft Windows NT4 / 2000 / XP drivers
- The Console; a grouping of software tools including OPC server configuration and diagnostic tools
- Open, documented memory map interface with example C source code and Windows 32-bit DLLs for custom driver development

BradCommunications SST PCI bus DeviceNet interface



Overview

BradCommunications SST network interface cards are ideal for applications where high-performance control and reliability are required. Backed by superior support and service, BradCommunications network interfaces support a wide range of network protocols and bus formats.

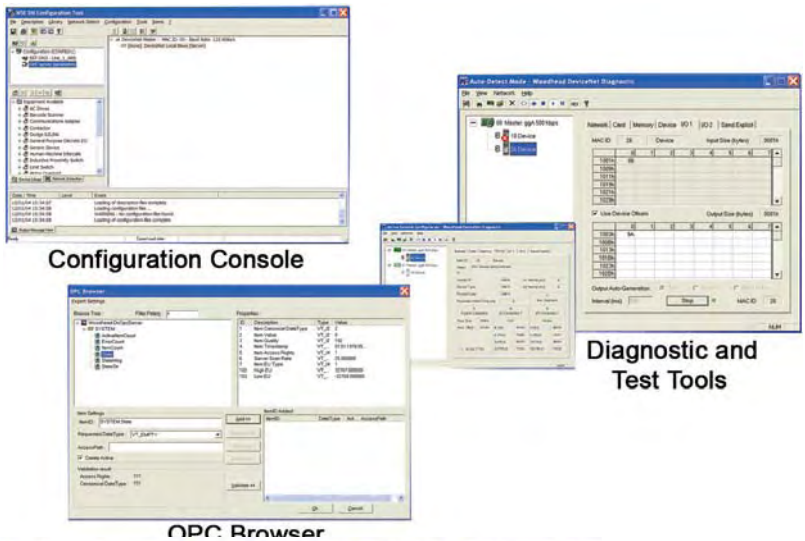
BradCommunications SST network interface cards for DeviceNet can be found in many applications including:

- Operator Interface
- Human-Machine Interface
- PC Control
- Device Development
- Network Diagnostics

BradCommunications SST network interface cards for DeviceNet undergo DeviceNet conformance testing and support DeviceNet specifications; including all DeviceNet standard baud rates, Poll, Strobe, Change of State (COS) and Cyclic I/O messaging.

Software Tools

Software available for the SST DeviceNet Interface Cards enables fast integration of industrial communication into your application.



Woodhead

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SST™ DeviceNet Interfaces

Hardware Specifications

	PCI	PC/104	VME
Bus Interface	32-bit, 33 MHz, PCI universal 3.3/5V interface (compliant signaling with PCI v2.2)	16-bit PC/104 interface (compliant with PC/104, spec 2.3)	16-bit data, 24-bit address (compliant with VME64 (VITA 1.1 1997))
Processor	66 MHz ColdFire, per channel		
Memory	128 bytes for PCI configuration	256 KB of shared RAM per channel	
Diagnostics	Bi-color LEDs showing card status PCI: health, communication PC/104, VME: power, health, communication		
Interrupts	Hardware Plug & Play (32 Kbytes used per card)	Software selectable level IRQ 2/9,5,7,10,11,12,15; standard TTL drive	DIP switch selectable level IRQ 1-7
Dimensions (LxW)	Standard half-length	9.588 cm x 9.017 cm (3.775 in x 3.550 in)	23.335 cm x 15.9995 cm (9.187 in x 6.299 in)
Consumption	5.2 W	5.0 W	2.5W per channel 1=2.5 W, 2=5 W, 4=10 W
Typical Current Draw	+5V, ± 5 % 1.03 A (2 channel)	+5V, ± 5 %, 1000 mA 2 channel	500 mA per channel, 1=500 mA, 2=1 A, 4=2 A
Voltage Requirements	5 V		
Addressing: Memory	A 256 Kbytes window available per channel	256K in a window of 8K, 16K, 32K, 64K, 128K or 256K bytes on even window boundary between 512K and 1Mb	256K in a window of 8K, 16K, 32K, 64K, 128K or 256K bytes on even window boundary between 0 and 16Mb
Addressing: I/O	8 bytes allocated per channel	8 bytes on any even 8-bit boundary from 200h-2F8h or 600h-6F8h	16 bytes on any odd 16-bit boundary from 0 to 0xfc00
Operating Temperature	0º C (32º F) up to +55º C (131º F)		
Storage Temperature	-40º C (-40º F) up to +85 ºC (185º F)		
Humidity	5% to 95% non-condensing		
Network Specifications			
Protocol	DeviceNet™ Master – Group 2 Client, Group 2 only Client DeviceNet Slave – Group 2 Server CAN 2.0 B Isolated CAN physical layer on each channel		
Cable	Shielded twisted pair, compatible with target network		
Connector	DeviceNet compliant 5-pin CAN connector		
External Power	11-24 VDC, 50 mA typical		
Isolation	500 V		
Data Rate	Up to 1 Mbaud for CAN 125K, 250K and 500K baud for DeviceNet		
RoHS Compliant	Yes	Coming soon	Coming soon

Ordering Information

Part Number	Product Description	Other Related Products
SST-DN3-PCU-1	DeviceNet card, Universal PCI bus (3.3V / 5V), 1 channel	IP67 and IP20 DeviceNet Switches Gateway Solutions Cable Assemblies Diagnostic Tools Network Interfaces
SST-DN3-PCU-2	DeviceNet card, Universal PCI bus (3.3V / 5V), 2 channels	
SST-DN3-104-1	DeviceNet card, PC/104, 1 channel	
SST-DN3-104-2	DeviceNet card, PC/104, 2 channels	
SST-DN3-VME-1	DeviceNet card, VME, 1 channel	
SST-DN3-VME-2	DeviceNet card, VME, 2 channels	
SST-DN3-VME-4	DeviceNet card, VME, 4 channels	
SST-DN3-DIA†	DeviceNet diagnostic tool	
SST-DN3-CNF-U	DeviceNet software console with USB key (includes network analyzer)	
SST-DN3-CNF-P	DeviceNet software console with parallel port key (includes network analyzer)	
SST-DN3-OPC	OPC Data Server software (must purchase at least one SST- DN3-CNF)	

† **Included with SST-DN3 interface cards**

Network Interface

To contact us: www.woodhead.com Reference Number: DW2006148 Date Published: June 2006

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