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Part Number: 1120050016
Status: Active
Description: DeviceNet card, PC/104, 1 channel

Documents:
Drawing (PDF) RoHS Certificate of Compliance (PDF)

General

Product Family	Network Interface
Series	112005
Approvals	N/A
Communication Speed	1K to 500K bps
Mounting Style	N/A
Product Name	SST™
Protocol	DeviceNet* Master/Slave
Type	Serial Card

Physical

Channels	1
Interface	CANopen*
Network Connection Type	CANopen* Connector (5 pin)
Packaging Type	Carton
Processor	66 Mhz ColdFIRE per Channel
Temperature Range - Operating	0°C to +55°C

Electrical

EMC	N/A
Supply Voltage	5.2W

Material Info

Old Part Number	SST-DN3-104-1 (E)

Reference - Drawing Numbers

Sales Drawing	E-112005-0016

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Not Reviewed
Halogen-Free Status
Not Reviewed

China RoHS

Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, click here

Please visit the Contact Us section for any non-product compliance questions.

Search Parts in this Series
112005Series

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

SST™ Interfaces for DeviceNet

For Controlling and Monitoring DeviceNet Applications

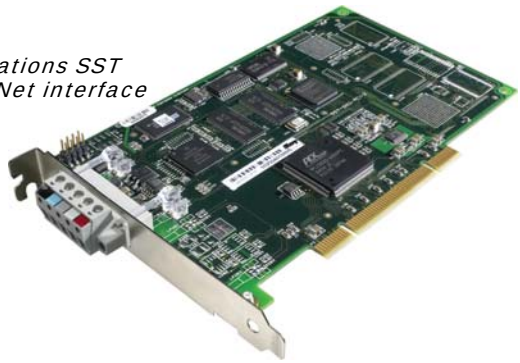
Features

- 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

- Windows 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.

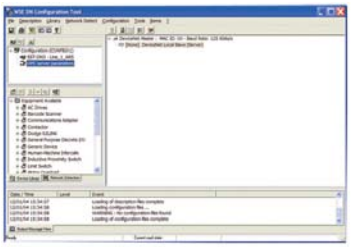
BradCommunications SST network interface cards for DeviceNet can be found in many applications including:

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

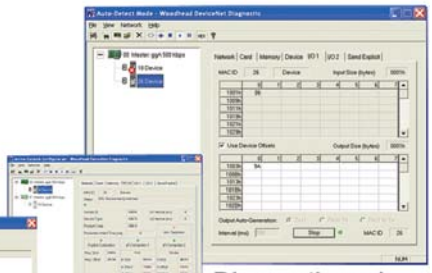
BradCommunications SST network interface cards for DeviceNet undergo DeviceNet conformance testing and support DeviceNet specifications; including all DeviceNet standard baud rates, Poll, Strobe, Change of State (COS) and Cyclic I/O messaging.

Software Tools

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



Configuration Console



Diagnostic and Test Tools



OPC Browser

Woodhead

BradCommunications™



Network Interface

Hardware Specifications

	PCI	PC/104
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)
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: 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
Dimensions (LxW)	Standard half-length	9.588 cm x 9.017 cm (3.775 in x 3.550 in)
Consumption	5.2 W	5.0 W
Typical Current Draw	+5V, ± 5 % 1.03 A (2 channel)	+5V, ± 5 %, 1000 mA 2 channel
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
Addressing: I/O	8 bytes allocated per channel	8 bytes on any even 8-bit boundary from 200h-2F8h or 600h-6F8h
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	Yes

Ordering Information

SAP Material Number	Catalog Number	Product Description
1120030013	**SST-DN3-PCU-1**	DeviceNet card, Universal PCI bus (3.3V / 5V), 1 channel
1120030018	**SST-DN3-PCU-2**	DeviceNet card, Universal PCI bus (3.3V / 5V), 2 channels
1120050016	**SST-DN3-104-1**	DeviceNet card, PC/104, 1 channel
1120050024	**SST-DN3-104-2**	DeviceNet card, PC/104, 2 channels
Not required	**SST-DN3-DIA**†	DeviceNet diagnostic tool
1120300007	**SST-DN3-CNF-U**	DeviceNet software console with USB key (includes network analyzer)
1120300006	**SST-DN3-CNF-P**	DeviceNet software console with parallel port key (includes network analyzer)
1120270014	**SST-DN3-OPC**	OPC Data Server software (must purchase at least one SST- DN3-CNF)

† *Included with SST-DN3 interface cards*

To contact us: www.woodhead.com

Reference Number: DW2006148 Date Published: December 2008

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