Features

- High performance DeviceNet protocol executed via up to 16 SST™ Remote DeviceNet™ Scanners
- User interface DLL/API is completely backward compatible with existing applications and local DeviceNet interface cards
- 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
- Provides Client (Master) explicit messaging to slave devices

Product Description

Traditionally when running a PC control application, one PC installed with one network interface card was required for each DeviceNet™ network. Now with the introduction of the SST™ Remote DeviceNet Scanner, a PC for each network is no longer required.

The SST Remote DeviceNet Scanner controls I/O devices connected to a DeviceNet network without the need of a local PC. DIN rail mountable, up to 16 SST Remote DeviceNet Scanners can be connected to one Ethernet switch which is then connected back to a PC residing on an Ethernet network. The PC allows users to remotely access diagnostic information on the SST Remote DeviceNet Scanner and the DeviceNet network.

Benefits include:
- Backward compatible DLL preserves existing investment
- DIN rail mount allows distribution to machine level
- Frees up PC slots by placing scanner cards remotely
- Manage your DeviceNet application across an Ethernet LAN
- Capable of updating DeviceNet IO faster than a PCI version
Remote DeviceNet Scanner

Hardware Specifications

**Diagnostics**
- Bi-color LEDs showing card status
  - box power, DeviceNet™ power, health, communication, Ethernet ack, link, baud

**Dimensions (LxW)**
- 23.335 cm x 15.9995 cm
  (9.187 in x 6.299 in)

**Operating Temperature**
- 0º C (32º F) up to +50º C (122º 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
- Isolated CAN physical layer on each channel

**Cable**
- DeviceNet: shielded twisted pair, compatible with target network
- Ethernet: Cat 5e shielded

**Connector**
- DeviceNet: compliant micro connector
- Ethernet: RJ45

**External Power**
- DeviceNet: 11-24 VDC, 50 mA typical
- Box power: 10 – 30VDC, 330mA typical

**Isolation**
- 500 V

**Data Rate**
- 125K, 250K and 500K baud for DeviceNet
- 10/100 Mbit for Ethernet

**RoHS Compliant**
- Yes

**Ordering Information**

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<td>SST-EDN-1</td>
<td>SST™ Remote DeviceNet Scanner</td>
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**Software Tools**

Diagnostic and test tools are available that enable fast integration of industrial communication into your application.

**Connecting to DeviceNet directly through PC**

**Connecting to DeviceNet over Ethernet using the SST Remote DeviceNet Scanner**