

# Configuring the Total Access 900 Series DSX-1 Interface



Quick Configuration Guide

61210916L1-42.4B

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*Please note that these examples are given for your study and consideration only. They are to help you reach a better understanding of the fundamental concepts before configuring your application. It will be necessary for you to modify these examples to match your network configuration. Please replace all underlined entries (**example**) with your specific parameters.*



*Please refer to the **ADTRAN Operating System (AOS) Command Reference Guide** on your **ADTRAN OS Documentation CD** for detailed information on individual commands and subcommands pertaining to the Total Access 900 Series products.*

## DSX-1 Interface

The DSX-1 interface is located on the rear of the Total Access 900 Series products. It is labeled **DSX-1 T1 0/1** on the ADSL units and **DSX-1 T1 0/2** on all other units. The DSX-1 interface allows DS0s to be provided to customer's voice terminating equipment such as a PBX.

## Configuring the DSX-1 Interface

The following steps demonstrate configuring the DSX-1 connection. In the following steps, please substitute **1** (ADSL units) or **2** (all other units) for **x** in **t1 0/x**.

1. Start a VT100 terminal session to connect to your unit. If you need assistance, follow the steps in the *Total Access 900 Series Quick Configuration Guide* (P/N 61210916L1-42.1).
2. Enter **enable** at the initial command prompt to access the Enable mode's privileged commands.
3. Enter **configure terminal** to access the Global Configuration mode.
4. At the **(config)#** prompt, enter **interface t1 0/x** to access the interface configuration mode for the DSX-1 interface.
5. Enter **description 12 Network to PBX** to provide a text description of the channels provided to the DSX-1 interface.
6. Enter **tdm-group 2 timeslots 1-12** to create a TDM group of timeslots 1 through 12 on the DSX-1 interface (**t1 0/x**).
7. Enter **no shutdown** to activate the interface.
8. Enter **exit** to return to the Global Configuration mode.

9. Enter **clock source internal** to set the system clock source to internal timing.
10. Enter **voice trunk T03 type t1-rbs supervision wink role network** to create and set up this trunk group for use with T1-RBS (DSX-1) interface.
11. Enter **connect t1 0/x tdm-group 2** to allow the physical DSX-1 interface (**t1 0/x**) to pass the tdm group to the end device.
12. Enter **vad** to enable Voice Activity Detection (VAD). VAD detects silence during a call to reduce the bandwidth a call uses when voice packets are not being transmitting.
13. Enter **end** to exit the Global Configuration mode.
14. At the **#** prompt, enter **copy running-config startup-config** to save the running configuration to the start-up configuration. The configuration must be saved to the unit's nonvolatile random access memory (NVRAM) to prevent the loss of configuration during a power cycle.