



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.