RADview-HPOV/TDM

Network Management System for TDM Applications

IMX

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Contents

Preliminary Hardware Configuration

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This chapter describes the preliminary IMX hardware configuration necessary to enable the IMX management icon to be added to the HPOV map.

1. Basic Configuration Tasks

Preliminary hardware configuration for the IMX is performed using a Terminal Emulation program.

When selecting parameters, click the **F** and **B** keys to move forward and backwards among the possible values for the selected parameter. Click **Enter** to make a selection and the spacebar to move on to the next parameter.

➤ **To configure IMX–2T1/E1 from the supervisory terminal:**

1. Enter the following Communication Parameters, and then click **OK**:

Baud Rate:	**9.6** Kbps
Data Bits:	**8**
Stop Bits:	**1**
Parity:	**None**

2. If AUTO (Autobaud) mode is enabled, press <CR> three times. IMX–2T1/E1 identifies the operating rate of the terminal and uses this rate for the current session.
3. If the terminal prompts for a password, enter the password and press <CR>.

Note *The default password is IMX.*

If the IMX–2T1/E1 node number is not zero, enter the node number and password using the following syntax:
NODE<Space>'node number'<Space>'password'<CR>.

4. Enter the terminal definition by typing **DEF TERM** 'terminal type'<CR>. Valid terminal types are: TV920, VT52 and VT100

Note *If you enter DEF TERM without terminal type, IMX–2T1/E1 resets all control terminal codes to zero.*

➤ **To define serial port parameters:**

1. Type **def sp** and press **Enter**.

The default parameters will be displayed.

2. Set SPEED to 9.6 Kbps.
3. Set AUXILIARY_DEVICE to NMS_Slip.
4. If you have a dial–out modem connected to the IMX–2T1/E1 set CALL_OUT_MODE to Enable.

➤ **To define system parameters:**

1. Type **def sys**, then press **Enter**.

   The default parameters will be displayed.

2. Set the DNLOAD_Mode to TS1 to enable in–band and out–band communication.

➤ **To define agent parameters to configure SNMP parameters:**

1. Type **def agent** and click **Enter**.
2. Set desired parameters and press **Enter**.

➤ **To assign a different logical name to the IMX–2T1/E1:**

- Type **db name** and enter a logical name of up to eight alphanumeric characters.

➤ **To reset the IMX–2T1/E1:**

- Type **reset** to reinitialize the IMX–2T1/E1

➤ **To define a data channel or Fractional T1 parameters:**

1. Type **Ch2** and press **Enter**.
2. Enter desired parameters and press **Enter**.

➤ **To set link parameters:**

- Type **def link** X (where X=link number) and press **Enter**.

➤ **To assign a node number to the unit:**

1. Type **def node** and press **Enter**.
2. Type the node number (**0** if terminal controls a single IMX–2T1/E1, **1..255** for multidrop operation) and press **Enter**.

➤ **To specify multiplexer call–out parameters:**

1. Type **def call** and press **Enter**.
2. Set desired parameters for NUMBER OF DIALING RETRIES, WAIT FOR CONNECT TIME, DIALING MODE, PRIMARY and ALTERNATE NUMBERS.

➤ **To complete the configuration:**

- Type **bye** and click **Enter**.

  The Terminal configuration window closes.

2. IMX–2T1/E1 Management

The IMX–2T1/E1 can be managed via Telnet.

➤ **To manage the IMX–2T1/E1 via telnet:**

1. Select the IMX–2T1/E1 icon on the WAN hierarchy map.
2. From the **Tools** menu, select **Terminal Connect** followed by Telnet (X term).
   The Telnet X(term) window appears.

3. Release Notes

Telnet

The IMX-2T1/E1 does not have a graphical application. It is managed via Telnet.