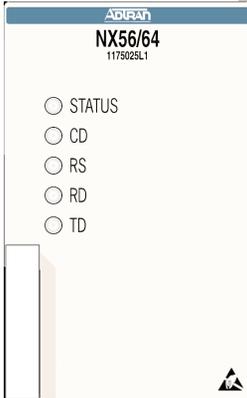


Nx56/64

CLEI: SILCEGGD__



TURN UP STEPS

1 Insert card into slots 6-7. The unit will automatically assign DS0s 21-24 to the V.35 port. DS0s may be reassigned to the FT1 Port (DSX-1) when using the BCU L2 (p/n 1175012L2).

2 Verify LED sequencing. LEDs will stop sequencing once unit is initialized.

LED STATUS

STATUS	<input type="radio"/> OFF	No power
	<input checked="" type="radio"/> RED	Out of sync with DTE or bank in alarm
	<input checked="" type="radio"/> GREEN	Synchronized with DTE
	<input checked="" type="radio"/> YELLOW	Loopback active
CD	<input type="radio"/> OFF	Nx56/64 not ready to transmit or receive data
	<input checked="" type="radio"/> GREEN	Nx56/64 ready to transmit or receive data
RS	<input type="radio"/> OFF	DTE not ready to transmit or receive data
	<input checked="" type="radio"/> GREEN	DTE ready to transmit or receive data
RD	<input type="radio"/> OFF	Data not being received from the T1 network
	<input checked="" type="radio"/> GREEN	Data being received from the T1 network
TD	<input type="radio"/> OFF	Data not being received from the DTE
	<input checked="" type="radio"/> GREEN	Data is being received from the T1 Network

3 If factory default settings to be used for the application, then installation is complete. If further provisioning is desired, proceed to step 4.

FACTORY DEFAULT SETTINGS

Configuration	Default	Description
# of Channels	4	Selects number of time slots (01 through 24)
Data Rate	64 kbps	Selects channel data rate - 56 kbps to 64 kbps
DSR	NORMAL	NORMAL - DSR follows DTR FORCED ON - DSR forced on and DTR ignored
CTS	NORMAL	NORMAL - CTS follows RTS FORCED ON - CTS forced on and RTS ignored
CD	NORMAL	NORMAL - CD active when loops in sync and/or E1 carrier present FORCED ON - CD forced on always DTE TX CLK
DTE TX CLK	AUTO	INT - INV - Inverted form of the internal DTX TX CLK setting AUTO - Measures delay between the DTE data and its clock. Selects between INTERNAL and INT-INV INTERNAL - Allows Nx56x/64 to provide transit data clock EXTERNAL - Derives DYE transmit clock from DTE device

4 Connect VT100 compatible terminal to BCU faceplate ADMIN port. Craft port settings are : 9600 Baud, No parity, 8 data bits, 1 stop bit.

4a Connect DB9 cable

4b Run terminal emulation program

4c If using Windows Hyperterminal, open by selecting *Programs/Accessories/Hyperterminal*

Note: To ensure proper display background, select VT100 Terminal Emulation under Settings.

5 Proceed through menus to desired access module.

5a Select Access Modules

5b Select 6 (slot)

Note: To traverse through the menus, select the desired entry and press Enter. To work backwards in the menu, press ESC (escape key). To return to the top of the menu at any time, press the return key twice.

6 Provisioning – to change the number of channels allocated to the Nx56/64, select *Provisioning* (item 2 after 5b).

6a Select 1 (number of channels)

6b To add a time slot, enter 1 then the time slot to be added

6c To remove a time slot, enter 2, then the time slot to be removed



7 Testing – to access the test menu for an access module, select *Test* (item 4 after 5b).

TESTING

Note: The loopbacks are used in conjunction with bit error rate test (BERT) equipment.

DTE Loopback

- Nx56/64 transceivers are looped back to a point immediately before the T1 termination point, or toward the DTE interface.
- Provides complete diagnostics of the V.35 interface path.

Network Loopback

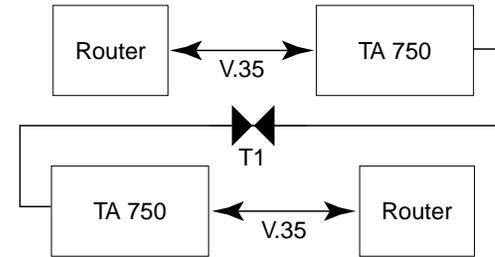
- Data is looped back to a point immediately before the DTE interface, or toward the T1 network interface.
- Provides complete diagnostics of the Nx56/64 data path.

CONNECTIONS

- All connections are made through the V.35 connector on the back panel of the TA 750.

V.35			RS-449		
Note	Name	Pin No	Pin No	Name	Note
	Frm Gnd	A	1	Frm Gnd	
	Sig Gnd	B	19 20 37	Sig Gnd Rx Com Tx Com	Pins 19, 20, and 37 connected.
	RTS	C	7	RTS A	RTS looped to CTS.
	CTS	D	9	CTS A	
	DSR	E	12	DTR A	DTR looped to DSR.
	CD	F	13	DSR A	
	DTR	H			
	Call Ind	J			
	TxD A	P	4	TxD A	
	RxD A	R	6	RxD A	
	TxD B	S	22	TxD B	
	RxD B	T	24	RxD B	
	Ext Tx C A	U	17	Ext Tx C A	
	RxC A	V	8	RxC A	
	Ext Tx C B	W	35	Ext Tx C B	
	RxC B	X	26	RxC B	
	TxC A	Y	5	TxC A	
	TxC B	AA	23	TxC B	
			25	RTS B	RTS B looped to CTS B.
			27	CTS B	
			30	DTR B	DTR B looped to DSR B.
			31	DSR B	

APPLICATIONS



Point-to-point Deployment

TELECOMMUNICATIONS CODES

This product is intended to be installed in products providing a Type “B” or “E” enclosure, and in a Restricted Access Location.

CODE	INPUT	OUTPUT
PC	C	C
TC	-	X
IC	A	-

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by ADTRAN could void the user’s authority to operate this equipment.

WARRANTY

Warranty for Carrier Network products manufactured by ADTRAN and supplied under Buyer’s order for use in the U.S. is ten (10) years. For a complete copy of ADTRAN’s U.S. Carrier Network Equipment Warranty: (887) 457-5007, Document 414.