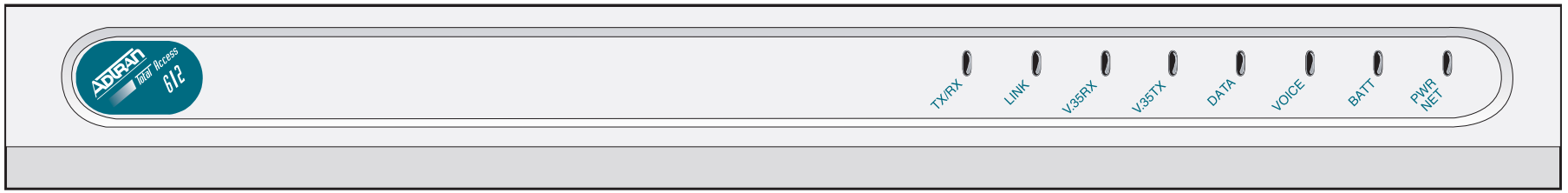
Quick Start Guide

TOTAL ACCESS 612/616/624 (T1 TDM) P/N 4200624L1#TDM

Reviewing the Front Panel



Connecting to the Total Access 6xx (T1 TDM)

Connecting a VT100 terminal (or VT100 terminal emulator) to the **CRAFT** interface (on the rear panel of the unit) allows access to the terminal menus and management features of the Total Access 6xx (T1 TDM).

Perform Steps Below in the Order Listed:

1. Configure a VT100 terminal (or terminal emulation software) with the following settings:

Data Rate:	9600 baud	Stop Bits:	1
Data Bits:	8	Flow Control:	None
Parity Bits:	None		

   If the terminal has a parallel setting, disable it and use serial.

2. Connect one end of the 6” data cable (supplied) into the Total Access 6xx (T1 TDM) **CRAFT** port. (This connection is RJ-45.) Make the connection to the VT100 terminal as appropriate for your connection. The pinout for the DB-9 to RJ-45 adapter follows:

DB-9	RJ-45	Description
2	5	TX Data - Transmit Data from Unit
3	3	RX Data - Transmit Data from Terminal
5	1	GND - Ground

3. Initiate a terminal session and the **LOGIN** screen displays. By default, there is no password assigned to the Total Access 6xx (T1 TDM) unit. Refer to the Total Access 600 Series System Manual for details on assigning a password to the CRAFT interface.

Status LEDs

The Status LEDs display the status of the network T1, 10/100BaseT interface, voice connection, and other system parameters for the Total Access 6xx (T1 TDM). For a more detailed discussion of the front panel LEDs, refer to Section 2, *Engineering Guidelines*, of the Total Access 600 Series System Manual.

LED	DESCRIPTION
TX/RX	Indicates data traffic on the 10/100BaseT interface.
LINK	Indicates the status of the 10/100BaseT interface (link up or down).
V.35 RX	Indicates received data traffic on the V.35 DTE interface.
V/35 TX	Indicates transmit data traffic on the V.35 DTE interface.
DATA	Indicates T1 status such as Test, RED alarm, or T1 sync loss.
VOICE	Indicates the status of the Voice port.
BATT	Indicates the status of the Battery Backup Connection.
PWR NET	Indicates the physical status of the T1 interface.

Connecting Power to the Total Access 6xx (T1 TDM)

The AC powered Total Access 6xx (T1 TDM) comes equipped with a detachable 8-foot power cord with a 3-prong plug for connected to a grounded power receptacle. Please refer to Section 3, *Network Turnup Procedures*, of the Total Access 600 Series System Manual for more detailed instructions.

- *This unit shall be installed in accordance with Article 400 and 364.8 of the NEC NFPA 70 when installed outside of a Restricted Access Location (i.e., central office, behind a locked door, service personnel only area).*
- *Power to the Total Access 6xx (T1 TDM) must be from a grounded 90-240 VAC, 50/60 Hz source.*
- *The power receptacle uses double-pole, neutral fusing.*
- *Maximum recommended ambient operating temperature is 45° C*

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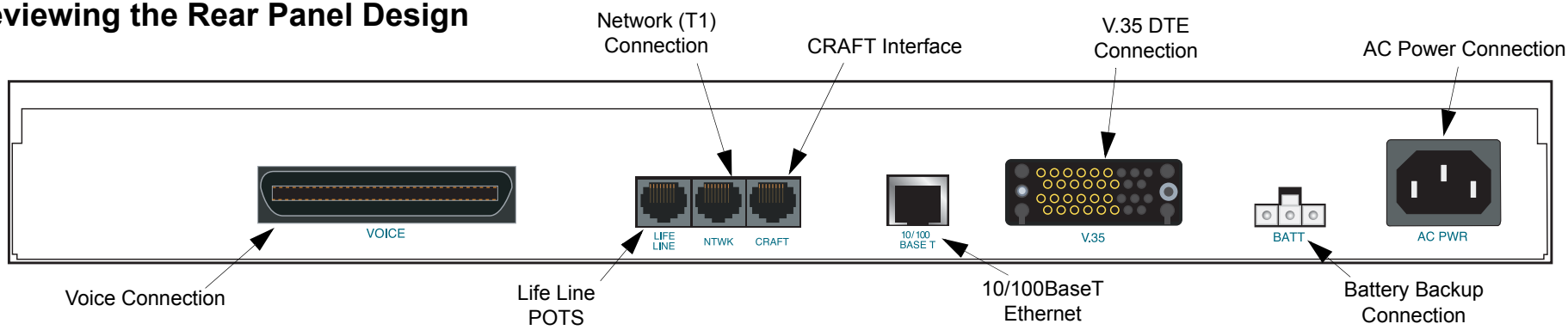
Reviewing the Rear Panel Design



Voice Connection

A single 50-pin female amphenol connector provides the interconnect wiring for the analog circuits (FXS, FXO). Refer to Section 2, *Engineering Guidelines*, of the Total Access 600 Series System Manual for a detailed pinout.

LIFE LINE POTS Pinout

PIN	NAME	DESCRIPTION
1,2, 5, 6	UNUSED	—
3	RING	Life Line Ring Connection
4	TIP	Life Line Tip Connection

NTWK (T1) Pinout

PIN	NAME	DESCRIPTION
1	R1 | RXDATA-RING	Receive data from the network (RING)
2	T1 | RXDATA-TIP	Receive data from the network (TIP)
3	UNUSED	—
4	R | TXDATA-RING	Transmit data towards the network (RING)
5	T | TXDATA-TIP	Transmit data towards the network (TIP)
6,7,8	UNUSED	—

V.35 Connection

The V.35 DTE interface is compliant with ITU Recommendations through a standard 34-pin Winchester connector. Refer to Section 2, *Engineering Guidelines*, of the Total Access 600 Series System Manual for a detailed pinout.

CRAFT Pinout

PIN	NAME	DESCRIPTION
1	GND	Ground - connected to unit chassis
2	RTS	Request to send - flow control
3	RXDATA	Data received by the unit
4	DTR	Data terminal ready
5	TXDATA	Data transmitted by the unit
6	CD	Carrier detect
7	UNUSED	—
8	CTS	Clear to send - flow control

10/100BaseT Ethernet Pinout

PIN	NAME	DESCRIPTION
1	TX1	Transmit Positive
2	TX2	Transmit Negative
3	RX1	Receive Positive
4,5	—	Unused
6	RX2	Receive Negative
7, 8	—	Unused

Battery Backup Connection

An optional battery backup system is available for the Total Access 6xx (T1 TDM) (P/N 1175044L1, 2, or 4). Refer to the documentation available for your specific battery backup unit for more information on this connection.