



INSTALLATION INSTRUCTIONS

1. Hold the plug-on board above the option card.
2. Using a downward and right-to-left motion, slip the DB-15 connector into the opening in the option card back panel.
3. Moving the plug-on board downward, secure the connection of the header pins at the front of the board.
4. Install the four 4-40 screws at the top and bottom of the plug-on board.

NETWORK CONNECTION 2-WIRE VOICE PINOUTS

| Pin | Name | Description |
|---------|--------|-------------------------------|
| 1, 2, 3 | Unused | N/A |
| 4 | Ring | Ring lead of 2-wire interface |
| 5 | Tip | Tip lead of 2-wire interface |
| 6, 7, 8 | Unused | N/A |

NOTE: To mate with the Dual U-BR1TE connection, the following pins are used:

RJ-11 Connector: Pin 3 - Ring; Pin 4 - Tip

RJ-45 Connector: Pin 4 - Ring; Pin 5 - Tip

SPECIFICATIONS

U-INTERFACE

| | |
|--------------------------|--|
| Line | 2-wire (tip and ring) |
| Rate | 160 kbps full duplex |
| Frequency | 40 kHz |
| Line Code | 2B1Q |
| Max Line Loss | 42 dB @ 40 kHz |
| Max Distance | 18000 ft with 1300 ohm resistance design |
| ISDN Interface Connector | RJ-45 |

COMPATIBILITY

| | |
|---------------------|---------------------------------|
| ISDN 2B1Q Interface | ANSI T1.601-1992 |
| Performance | TR-NWT-000397 and TR-TSY-000829 |
| ISDN BR over T1 | TR-NWT-000397 |
| Approvals | FCC Part 15, FCC Part 68, UL |

DIAGNOSTICS AND TESTS

| | |
|-----------|--|
| Loopback | B1, B2 loopbacks and 2B+D loopbacks initiated through EOC as specified by TR-NWT-000397 and ANSI T1.601-1992 |
| Self-test | RAM test Slot selection test EPROM checksum test |

MENU TREE

| | | | | | | | | | |
|--------------|------------------|--------------------|--------------------|-------------------|-----------------|------------|--|------|---------|
| Menu | 1) Status | 1) NI Perf Reports | | | | | | | |
| | | 2) NI Errors | | | | | | | |
| | | 3) Active Alarms | | | | | | Sync | |
| | | 4) View History | | | 1) Loop Status | | | CRC | |
| | | 5) Port Status | 1.1 UBR1TE | | 2) T1 Status | | | ACT | |
| | 2) Config | 1) Network (NI) | | | 3) Loop Monitor | | | | |
| | | | 2) Unit | | | | | 2B+D | |
| | | | 3) Map XCHNG | | | | | | 2B |
| | | | 4) Map in Use A(B) | | | 1) Service | | | B1+D |
| | | | 5) DS0 Map A | | | | | | B2+D |
| | | 6) DS0 Map B | | | | | | | B1 |
| | | | 7) Port Config | 1.2 UBR1TE | | | | | B2 |
| | | | | | | 2) ZBS | | | Disable |
| | | | | | | | | | Enable |
| | | | | | | 3) Mode | | | LULT |
| | 3) Util | 1) Time/Date | | | | | | LUNT | |
| | | 2) Factory Restore | | | 4) Wake-up Tone | | | Off | |
| | | 3) New Passcode | | | | | | On | |
| | | 4) Unit ID | | | | | | | |
| | | 5) Software Rev | | | | | | | |
| 6) Port Util | | 1.1 UBR1TE | | SW Revision | | | | | |
| 4) Test | 1) Network Tests | | | 1) B1 Remote LPBK | | | | | |
| | 2) Run Self-test | | | 2) B2 Remote LPBK | | | | | |
| | 3) Port Test | 1.1 UBR1TE | | 3) Local Loopback | | | | | |
| | 4) Cancel Tests | | | 4) B1 2047 PATT | | | | | |
| | | | | 5) B2 2047 PATT | | | | | |
| | | | | 6) Inject Error | | | | | |
| | | | | 7) PATT Results | | | | | |