



6540 Front Pane

DESCRIPTION
The AC powered AUTRAN 6540 SHDSL 2-Wirel-AWer NTU (PN 1230001L.1) functions as an attestic between the SHDSL network and the Data Terminal Engineering (ITE) for applications such at IAAN-61-AM heiging. Parame Relayieverinal, and PARS termination. The 563 is designed to be used offine as a numetion and to the AUTRAN Total Access? 9000 multiservice platform, or as pair of useful and a single action and the access and access access and access and access access and access and access access access and access access access and access access access and access access access access and access access access and access access access and access access access access access and access acce

mode.

EN 300 386-2; IEC 60950/EN 60950/AS NZS60950; S016; S043.2; ITU K.21 Enhanced; Telstra 1555

FEATURES

The 6540 has the following features

. Housed in a standalone plastic case

- Provides four front panel recessed pushbuttons, and eight front panel LED indicators
 Provides SHDSL G 703 and/or Na64K norts, and a local management port
- Provides STLESE, G. 703, and/or NX04K, ports, and a focus management port
 Provides a rear panel connection for local AC power
- Provides bad splice protection using the ADTRAN proprietary Runtime TScanTM 2.0 splice
 protection feature (for more information on this feature and how to locally manage TScan, refer to
 the SEDS. 2-Wirel-4-Ware NTU Product Series Installation and Maintenance Practice, PN
 612800011.1-5)

PUSHBUTTON FUNCTIONALITY

| PORT SELECT | Press the PORT SELECT button to select the active port. Selection choices cycle through the following order: No Port, Ne64k, G703, SHDSL. |
|------------------------|--|
| LOCAL LOOP/ ERR INJ | If a port is selected, and a Bit Error Rate Test (BERT) is not in progress, press the LOCAL LOOPBERR NJ United to initiate or terminate a local loop on the selected pert. If a BERT is a progress, press the button to inject a single bit error |
| REMOTE LOOP | If the SHDSL part is selected, prest the REMOTE LOOP instron to place or runner a remote above on the part by sending a BOC request message to the LTU (or NTU in campass mode). If the NoSSL pert or G700 part (with oil) one service defined is selected, press this butten to place or runners a remote keep on the selected pert's single dots arrive by smalling respective abundance per to keep does updatation to the far and the associated data service times of the selected pert is single dots. |

If a port is selected and there are no local loops, press the BERT button to start or stop a





6560 Rear Panel

| LED INDICATOR FUNCTIONALITY | | | | |
|-----------------------------|-----|-------|--|--|
| Label | Sta | itus | Description | |
| SHDSL | 0 | Off | Unit is powered off | |
| | • | Green | Port is trained; no active alarms | |
| | | Ydlow | Port is trained with a minor active alarm (0) | |
| | • | Red | Port is attempting to or is trained with a major alarm | |

| G.703 | 0 | Off | Port is not active | |
|-------|---|-------|------------------------------------|---|
| | | Green | Active Port with no active alarm | |
| | | Ydlow | Active Port with a miner alarm (7) | |
| | • | Red | Active Port with a major alarm (0) | |
| Nx64K | 0 | Off | Port is not active | _ |
| | • | Green | Active Port with no active alarm | |
| | | | | |

| | • | PCEG | Active Port with an active marin condition |
|--------|---|-------|--|
| RTSIC | 0 | Off | Nx64K port is not active or when active, V35/V36 "Request To Send" or X.21 "Centrol" line from the DTE is off |
| | • | Green | V35/V36 "Request To Send" or X.21 "Control" line from the DTE is on |
| RLSD/I | 0 | Off | Nx64K port is inactive or when active, V35/V36"Receive Line Signal Detector" and X.21 "Indication" central line from the NTU is off. |
| | • | Green | V35/V36 "Receive Line Signal Detector" or X.21 "Indication" control line from the |

| LLOOP | 0 | Off | Local Loop is not active |
|-------|---|-------|---|
| | | Ydlow | Active Local Loopback on the selected port |
| | • | Red | Active Local Loop on one or more ports or services (when no port is selected) |
| RLOOP | 0 | Off | Remote Loop is not active |

| | ٠ | Red | Active Remote Leopouck on the selected perf (when determined via established EOR. Active Remote Loop on one or more perfs or services (when no perf is selected) |
|------|---|--------|---|
| BERT | 0 | Off | BERT is not active |
| | • | Green | Active BERT and the test pattern detector is synchronized with no received bit errors |
| | | Yellow | Active BERT and one or more test pattern bit errors have been received |

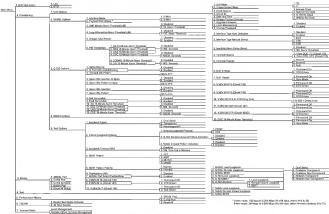
- Red Active BERT but the test pattern detector is not synchronized
 Miner SHDSL port alensi: CRC cross, Loop Attenuation Threshold Alarm, SNN Margin Threshold Alarm, Segment Anomaly, and any 185, SSS, UAS, CVC, and LOOWS 15-dainner Threshold Alarm.
- Major SHDSL part alarms: LOS, LOSW, or Segment Defect
 Minor G703 part alarms: Rx RAL, Frame Stip, ORC-4 errors, LBER, and my ES, SES, UAS, and CVC 15-Minute Throubid Alarm
- Major G703 port alarms: LOS, LOF, LOMF, Rx AIS, or HBER
 Nx64K port alarms: Clock Slip, Loss of Esternal Clock, PIFO Underflow/Overflow, and Inactivity Alarm

BERT on the selected port

6540 SHDSL 2-Wire/4-Wire NTU, AC Powered

PRICING AND AVAILABILITY 800.827.0807 TECH SUPPORT 800.726.8663 RETURN FOR REPAIR 256.963.8722 www.adfran.com 61230001L1-228

MENU TREE



Warranty: ADTRAN will replace or repair this product within the warranty period if it does not meet its published specifications or falls white in service.

Warranty information can be found online at www.adran.com/warranty.