

Total Access 3000 SHDSL LTU

P/N 1182118L1



LED INDICATORS

LED	Indication	Description
PWR	Off <input type="radio"/>	No power, or fuse failure
	Green <input checked="" type="radio"/>	Self-test passed and the module is In-Service
	Yellow <input checked="" type="radio"/>	Self-test passed and the module is Out-of-Service
	Flashing (any color) *	VT100 menu session in progress
SHDSL	Off <input type="radio"/>	Module is Out-of-Service, Unassigned
	Green <input checked="" type="radio"/>	Module has achieved synchronization with the NTU
	Red <input checked="" type="radio"/>	Module has not achieved synchronization with NTU
G.703	Off <input type="radio"/>	G.703 port not configured (Out-of-Service, Unassigned), or an alarm condition exists
	Green <input checked="" type="radio"/>	G.703 port configured and no alarms exist
TEST	Off <input type="radio"/>	Module is not in loopback or BERT
	Green <input checked="" type="radio"/>	Local loopback is active, or BERT running with no errors
	Blinking Green <input checked="" type="radio"/>	Module is running a BERT with bit errors
	Red <input checked="" type="radio"/>	Module is running a BERT with no pattern sync
ALM	Off <input type="radio"/>	No alarm condition detected
	Yellow <input checked="" type="radio"/>	Remote alarm condition detected
	Red <input checked="" type="radio"/>	Alarm condition detected locally

COMPLIANCE

This product is intended to be installed in Restricted Access Areas only and in equipment with a Type "B" or "E" enclosure.

Code	Input	Output
Power Code	F	C
Telecommunication Code (TC)	-	X
Installation Code (IC)	A	-

WARNING: Up to -120 VDC may be present on telecommunications wiring. The G.703 interface is intended for connection to intra-building wiring only. Ensure Chassis ground is properly connected.

TOTAL ACCESS 3000 BACKPLANE CONNECTIONS

The SHDSL LTU can be placed in any one of the slots labeled 1-22 of the Total Access® 3010 shelf or slots 1-28 of the Total Access 3000. The table below provides backplane cabling.

Interface	Backplane Connector Pair	Amphenol Pins *
SHDSL Tip	Pair 2 for 2-wire; Pair 2 and Pair 1 for 4-wire	Slots 1-22 correspond to pins 26-47
SHDSL Ring	Pair 2 for 2-wire; Pair 2 and Pair 1 for 4-wire	Slots 1-22 correspond to pins 1-22
G.703 TX Tip	Pair 8	Slots 1-22 correspond to pins 26-47
G.703 TX Ring	Pair 8	Slots 1-22 correspond to pins 1-22
G.703 RX Tip	Pair 7	Slots 1-22 correspond to pins 26-47
G.703 RX Ring	Pair 7	Slots 1-22 correspond to pins 1-22

* Slots 1-22 for Total Access 3010; Slots 1-28 for Total Access 3000

PROVISIONING VALUES

Provisioning Options	Values	Default
Unit Options		
Line Card Service State	In Service; Out of Service - Unassigned; Out of Service - Maintenance	Out of Service - Maintenance
Cross-Connect Map (values apply to each time slot assignment)	0 = unassigned; 1 = G.703; 32 = G.704 CCS Framing timeslot	Full G.703 Service with G.704 Framing = NT
LT Mode Clk Source	Internal Clock; G.703 RX Clock; SHDSL RX Clock	Internal Clock
External Port Alarms	Disabled; Enabled	Disabled
NTU Auto Provisioning	Disabled; Enabled	Disabled
SHDSL Options		
Interface Mode	2-wire; 4-wire	2-wire
Payload Rate (kbps)	Enter a new value for N from 3 to 32, where Payload Rate (kbps) = N x 64	2048 (N=32)
SNR Margin Alarm Threshold	Disabled; 1-15 Threshold in dB	Disabled
Loop Atten. Alarm Threshold	Disabled; 1-127 Threshold in dB	Disabled
Outage Auto-Retrain	Disabled; Enabled	Disabled
PM Thresholds See below for Loop 1 and Loop 2		
ES 15 Minute Alarm Threshold	Disabled; 1 to 900 = Alarm Threshold	Disabled
SES 15 Minute Alarm Threshold	Disabled; 1 to 900 = Alarm Threshold	Disabled
UAS 15 Minute Alarm Threshold	Disabled; 1 to 900 = Alarm Threshold	Disabled
CVC 15 Minute Alarm Threshold	Disabled; 1 to 65535 = Errors	Disabled
LOSWS 15 Min. Alarm Threshold	Disabled; 1 to 900 = Alarm Threshold	Disabled
OS 15 Minute Alarm Threshold	Disabled; 1 to 900 = Alarm Threshold	Disabled
G.703 Options		
ISDN-PRA V3	Disabled; Enabled	Disabled
G.704 CRC-4 Multiframe	Disabled; Enabled	Disabled
Timeslot Idle Pattern	00h to FFh	FFh
Spare Bits Insertion to Span	Disabled; Enabled	Disabled
Spare Bits Pattern to Span	00h to 1Fh (0, 0, 0, Sa4, Sa5, Sa6, Sa7, Sa8)	1Fh
Spare Bits Insertion	Disabled; Enabled	Disabled
Spare Bits Pattern	00h to 1Fh (0, 0, 0, Sa4, Sa5, Sa6, Sa7, Sa8)	1Fh
RAI Generation	Disabled; Enabled	Enabled
E-bit Generation	Disabled; Enabled	Disabled
PM Thresholds See below		
ES 15 Minute Alarm Threshold	Disabled; 1 to 900 = Alarm Threshold	Disabled
SES 15 Minute Alarm Threshold	Disabled; 1 to 900 = Alarm Threshold	Disabled
UAS 15 Minute Alarm Threshold	Disabled; 1 to 900 = Alarm Threshold	Disabled
CVC 15 Minute Alarm Threshold	Disabled; 1 to 65535 = Errors	Disabled
Test Options		
Loopback Type (SHDSL & G.703)	Dual Sided; Transparent; Non-Transparent	Dual Sided
Loopback Time Out	Disabled; 1-999 Time Out (Min)	Disabled
BERT Tx Pattern	ALT; 2047; 2e15-1; QRSS	2e15-1
BERT Test Pattern Polarity	Normal; Inverted	Normal



