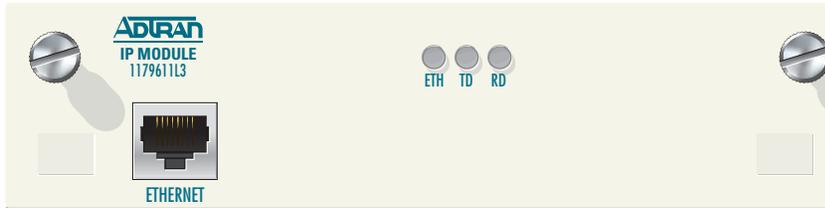


TOTAL ACCESS 1200
**IP NETWORK
MODULE**
CLEI: VAA1GG0E_ _



DESCRIPTION

The IP Network Module provides an Ethernet uplink for the Total Access® 1200 chassis. It can provide up to 24 ports of ADSL plus POTS toward customers. Its learning bridge configuration can support up to 4096 bridge table entries. The IP Network Module acts as a bridge and will "learn" the Ethernet MAC addresses connected to the user ports.

The following features are supported on the IP Network Module:

- A single Ethernet 10/100 feed for both data and in-band management
- One Virtual Circuit per port
- Learning Bridge configuration
- An alarm log of system level events
- An RJ-45 type connector for the Ethernet connection
- Operates over an extended temperature range -40°C to +70°C
- Front Panel indication of Ethernet status
- Front access to all connections
- Provisioning and alarm monitoring via menus or remote access via Telnet
- NEBS Level 3, GR-1089-CORE and UL 60950 compliant

CONNECTIONS

The IP Network Module plugs directly into the Total Access 1200 (19- or 23-inch) rack mounted shelf. The Ethernet feed is connected to the front of the module through the RJ-45 plug.

TURN-UP STEPS

To install the IP Network Module, perform the following steps:

- 1** After unpacking the IP Network Module, inspect it for damage. If damage is found, file a claim with the carrier and then contact ADTRAN Customer Service.
- 2** ADTRAN recommends that all power be removed from the Total Access 1200 before removing or replacing the IP Network Module.
- 3** Loosen screws on the previous module and remove it, if so equipped.
- 4** Insert new module in the slots on the left and right and slide it securely into place.
- 5** Tighten the two screws to secure the module in the chassis.
- 6** Insert the Ethernet cable with the RJ-45 plug in the jack on the front of the module.
- 7** Restore power to the Total Access 1200.

FRONT PANEL LEDs

The front panel contains three LEDs that monitor status.

- | | | |
|------------|------------------|--------------------|
| ETH | ● Green | Connected 100BaseT |
| | ● Yellow | Connected, 10BaseT |
| | ● Red | Not connected |
| TD | ○ Off | No Traffic |
| | * Flashing Green | Transmit Traffic |
| RD | ○ Off | No Traffic |
| | * Flashing Green | Transmit Traffic |

OPERATIONAL SPECIFICATIONS

- Operates from A or B -42 VDC to -56 VDC input voltage power feeds.
- Operates over extended temperature range of (-40°C to +70°C)
- Storage -40°C to +85°C. Relative humidity to 95 percent, noncondensing.

COMPLIANCE

This product is NRTL listed to the applicable UL standards. The IP Network Module is intended for installation in a type "B" or "E" enclosure in a Restricted Access Only area. The Total Access 1200 shelf Frame Ground terminal must be connected to an earth ground.

Code	Input	Output
Power Code (PC)	C	C
Telecommunication Code (TC)	X	-
Installation Code (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

ADTRAN will replace or repair this product within the warranty period if it does not meet its published specifications or fails while in service. Warranty information can be found at www.adtran.com/warranty. U.S. and Canada customer Faxback: 877-457-5007, Document 414.



CAUTION!
SUBJECT TO ELECTROSTATIC DAMAGE
OR DECREASE IN RELIABILITY.
HANDLING PRECAUTIONS REQUIRED.

PROVISIONING

The Total Access 1200 has a front panel mounted DB-9 connector that supplies an RS-232 interface for connection to a controlling terminal. The supported terminal type is VT100 or compatible and is set for 9600 baud, 8 data bits, no parity, and 1 stop bit.

At the Total Access 1200 Login Screen, enter the account name and password. Note that the default login is "ADMIN" and the password is "PASSWORD" and can be changed upon initial login. The login and password are case sensitive.

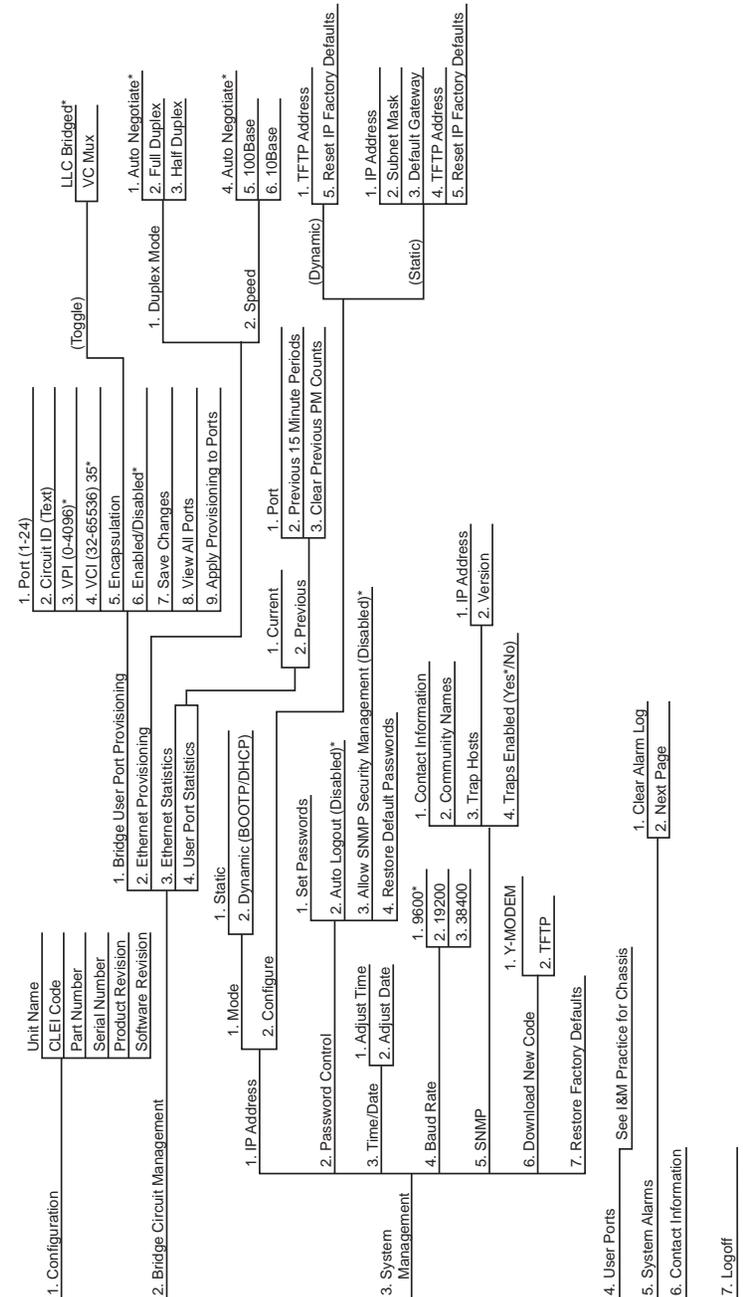
NOTE: To traverse through the menus, select the desired entry and press Enter. To work backward in the menus, press the Escape key.

PROVISIONING OPTIONS

Upon initial installation, the IP Network Module will be provisioned according to factory default settings as shown in the table below.

Provisioning Option	Available Options	Default Setting
Bridge Circuit Management		
Each user must have a Bridge Port set up for proper operation.		
The VPI, VCI, and Encapsulation settings will be determined by the ADSL modem being used by the customer		
VPI	0-4096	0
VCI	32-65536	35
Encapsulation	LLC Bridged; VC MUX	LLC Bridged
Enabled/Disabled (service state)	Enabled; Disabled	Enabled
Ethernet Provisioning		
Duplex Mode	Auto Negotiate; Full Duplex; Half Duplex	Auto Negotiate
Speed	Auto Negotiate; 100Base; 10Base	Auto Negotiate
System Management		
IP Address, Mode	Static; Dynamic (BOOTP/DHCP)	Dynamic
Password Control, Auto Logout	Disabled; Enabled	Disabled
Allow SNMP Security Management	Disabled; Enabled	Disabled
Baud Rate	9600; 19200; 38400	9600

The portions of the menu tree required to configure the IP Network Module are shown to the right. Use these sections to perform the provisioning steps for the IP Network Module. The default values are indicated by an asterisk.



* Factory Default Settings