



Resource Host Module User Manual

Part Number 1200324L1



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Federal Communications Commission (FCC) Radio Frequency Interference Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio frequencies. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Shielded cables must be used with this unit to ensure compliance with Class A FCC limits.

	<i>Change or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.</i>
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Warranty and Customer Service

ADTRAN will replace or repair this product within five years from the date of shipment if the product does not meet its published specification, or if it fails while in service. For detailed warranty, repair, and return information, refer to the ADTRAN Equipment Warranty and Repair and Return Policy Procedure (see the last page of this manual).

A return material authorization (RMA) is required prior to returning equipment to ADTRAN.

For service, RMA requests, or more information, see the last page of this manual for the toll-free contact number.

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ADTRAN warrants that for five (5) years from the date of shipment to Customer, all products manufactured by ADTRAN will be free from defects in materials and workmanship. ADTRAN also warrants that products will conform to the applicable specifications and drawings for such products, as contained in the Product Manual or in ADTRAN's internal specifications and drawings for such products (which may or may not be reflected in the Product Manual). This warranty only applies if Customer gives ADTRAN written notice of defects during the warranty period. Upon such notice, ADTRAN will, at its option, either repair or replace the defective item. If ADTRAN is unable, in a reasonable time, to repair or replace any equipment to a condition as warranted, Customer is entitled to a full refund of the purchase price upon return of the equipment to ADTRAN. This warranty applies only to the original purchaser and is not transferable without ADTRAN's express written permission. This warranty becomes null and void if Customer modifies or alters the equipment in any way, other than as specifically authorized by ADTRAN.

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RESOURCE HOST MODULE OVERVIEW

The Resource Host Module is one of the ATLAS 500 Series modules. It provides a cheaper solution than standard 500 series modules for customers that need only resource module functionality.

Features

- No external interfaces
- Hot-swappable
- Accepts any ATLAS 500 Series Resource Module

Description

The Resource Host Module plugs into any available option slot in the ATLAS 550 chassis (see Figure 1-1).

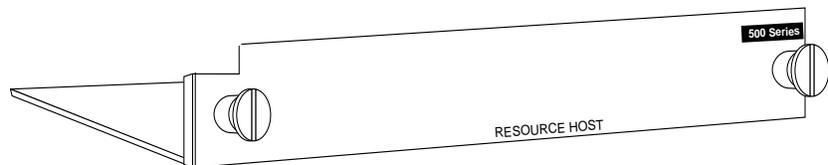


Figure 1-1. Resource Host Module

NOTE

The four Option slots (labeled 1 — 4) only accept Option Modules, and the Network Interface slots (labeled Network 1 and Network 2) only accept Network Interface Modules. (See the ATLAS 550 in Figure 2-2 on page 2-3.)

UNPACK AND INSPECT

Carefully inspect the Resource Host Module for any shipping damage. If damage is suspected, file a claim immediately with the carrier and contact ADTRAN Technical Support. (See the last page of this manual for information on contacting Technical Support.) If possible, keep the original shipping container for use in returning the Resource Host Module for repair or for verification of damage during shipment.

ADTRAN Shipment Includes

- The Resource Host Module
- The Resource Host Module User Manual (insert into the appropriate section of the ATLAS 550 User Manual)

OPTION SLOTS AND NETWORK INTERFACE SLOTS

The ATLAS 500 base unit contains four option slots and two network interface slots. The option slots and cards are not interchangeable with the network interface slots and cards. You can only install the Resource Host Module into one of the four option slots.

Installing the Resource Module onto the Resource Host Module

**NOTE**

*The **resource** module cannot be installed into an ATLAS 550 chassis without first being attached to the Resource Host Module or other ATLAS 500 series **option** modules.*

Attach the resource module to the Resource Host Module as described in the following Step/Action table. See also Figure 2-1.

Instructions for Attaching the Resource Module to the Host Module	
Step	Action
1	Carefully align the P10 connector on the resource module with the J10 connector on the Resource Host Module.
2	Using only fingertip pressure, so that neither circuit board bends or flexes, ensure that the two connectors are firmly seated.
3	Secure the opposite end of the resource module to the Resource Host Module using the supplied screws and standoff posts.

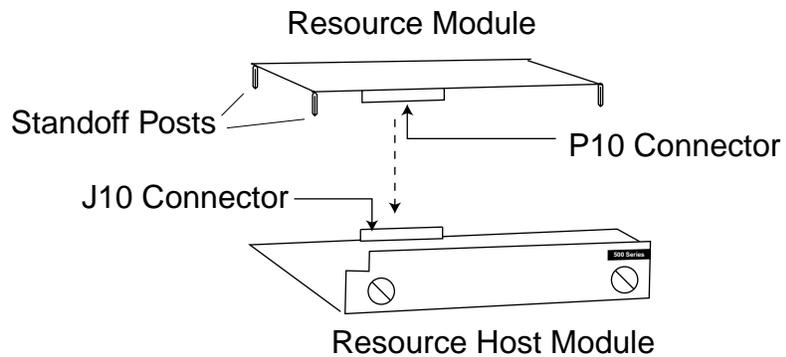


Figure 2-1. Attaching the Resource Module to the Resource Host Module



*For simplicity, the combination of the resource module and the Resource Host Module will be referred to as the **Host/Resource Module**.*

Installing the Host/Resource Module into the ATLAS 550 Chassis

To install the Host/Resource Module into the ATLAS 550 base unit, use the following Step/Action table. Figure 2-2 on page 2-3 shows the proper placement of the Host/Resource Module in the ATLAS 550 chassis.

Instructions for Installing the Host/Resource Module	
Step	Action
1	Remove the cover plate from the appropriate <i>option</i> slot.
2	Slide the Host/Resource Module into the ATLAS 550 chassis until the module is firmly seated in the ATLAS 550.
3	Fasten the thumbscrews at both edges of the Host/Resource Module faceplate. Tighten with a screwdriver.
4	Install any additional modules into the base unit, as specified in the <i>Installation</i> chapter of the ATLAS 550 user manual.

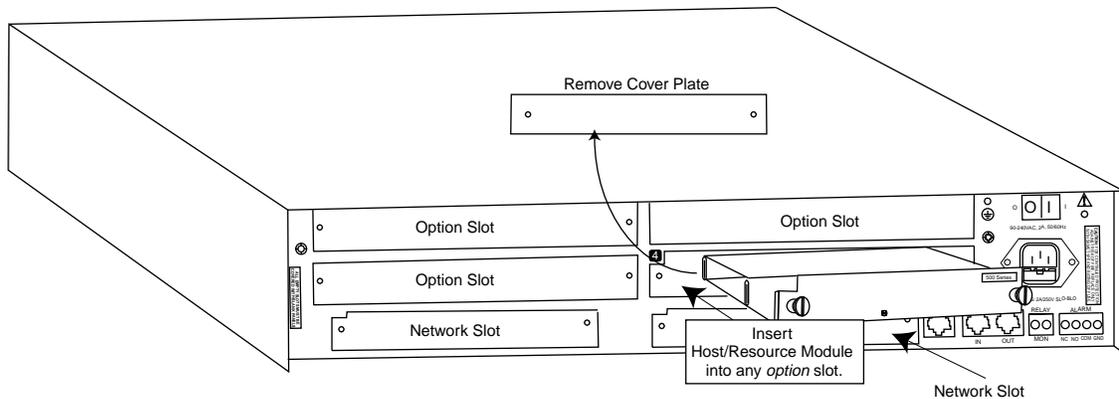


Figure 2-2. Installing the Host/Resource Module

WARNING *Option modules are intended to be serviced by qualified service personnel only.*

POWER-UP TESTING AND INITIALIZATION

After installing the Host/Resource Module into the ATLAS 550 chassis, the front panel **Status** indicator blinks red and green for a time. The **Status** indicator remains solid green when the Host/Resource Module is ready to use. Also, the online LED will constantly blink green.

Upon power-up, any previously configured setting for the Host/Resource Module is automatically restored.

Return to Chapter 2 (*Installation*) of the ATLAS User Manual to continue system set-up.

OVERVIEW

The Host/Resource Module can be configured and controlled as follows:

- Terminal menus - used for detailed configuration, status, and diagnostics
- SNMP - used primarily for reporting alarm conditions and system status

The terminal menu is accessed using either a VT-100 terminal attached to the ATLAS 550 Base Unit's control port, or through a Telnet session established through the Base Unit's Ethernet port. Detailed instructions on the operation of each of the supported management approaches are presented in the *ATLAS 550 User Manual*.

**NOTE**

*To edit items in the terminal menus, you must have the appropriate password level. Each menu description in this section indicates the password level required for write and read access. See the section **Access Passwords** in the *ATLAS 550 User Manual* for detailed information on working with passwords. Security level 1 users can view and edit every available field. Security level 5 users can view any field but cannot edit.*

The remainder of this section describes the menu items presented when managing the Host/Resource Module using the terminal menus.

TERMINAL MENU STRUCTURE

The ATLAS 550 uses hierarchical menus to access all features. The topmost menu level leads to submenus which are grouped by functionality. All menu items display in the terminal window.



NOTE Refer to the ATLAS 550 User Manual for detailed instructions on navigating through the terminal menu.

The ATLAS 550 System Controller automatically detects the presence of the Host/Resource Module when it is installed in the system. To view the menus for the Host/Resource Module via the terminal menu, use the arrow keys to scroll to the **MODULES** menu and press **Enter** to access the module choices. Figure 3-1 shows the **MODULES** menu. (Also see the menu tree in Figure 3-2.) The following sections describe all the menu options.

ATLAS 550/Modules									
	Slt	Type	Menu	Alarm	Test	State	Status	Rev	
System Info	Slt0	Sys Ctrl	[+]	OK	OFF	ONLINE	OnLine	-	B
System Status	Ntw1	EMPTY				ONLINE	Empty	-	
System Config	Ntw2	EMPTY				ONLINE	Empty	-	
System Utility	Slt1	RSCHOST	[+]			ONLINE	No Response	-	
Modules	Rsc1	UCOM -4	[+]	[n/a]	[n/a]	ONLINE	No Response	-	
Packet Manager	Slt2	EMPTY				ONLINE	Empty	-	
Router	Rsc2	EMPTY				ONLINE	Empty	-	
Dedicated Maps	Slt3	EMPTY				ONLINE	Empty	-	
Dial Plan	Rsc3	EMPTY				ONLINE	Empty	-	
	Slt4	EMPTY				ONLINE	Empty	-	
	Rsc4	EMPTY				ONLINE	Empty	-	

SYS:ALRM NETWORK1: -- NETWORK2: -- 1:ALRM 2: -- 3: -- 4: --
Access module menus *?=help 10:34

Figure 3-1. Modules Menu

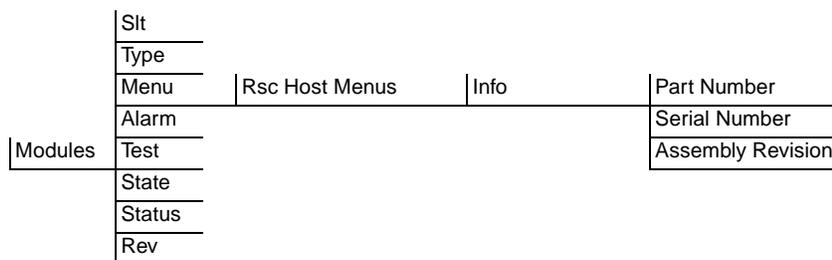


Figure 3-2. Modules Menu Tree

MODULES MENU

SLT Read security: 5
Displays the number of all the available slots in the ATLAS 550 chassis. Slot 0 refers to the ATLAS 550 base unit. This field is read-only.

TYPE Write security: 3; Read security: 5
Displays the type of module actually installed in the slot or the type of module you plan to install in the slot. If a Resource Host Module is installed, the **TYPE** field automatically defaults to **RSCHOST** (the Resource Host Module). You can use this field to pre-configure a system before actually installing modules simply by specifying the module that you want to install in each slot.



NOTE *TYPE automatically displays the name of an installed module. If you want to preconfigure the slot for a different type of module, you must set this field to **EMPTY** before selecting another module type.*

MENU Displays additional status and configuration menus about the selected module. (To access the submenus for this item, use the arrow keys to scroll to the **MENU** column for the module you want to edit, and press **Enter**.) For detailed information on each submenu item, see the section *Resource Host Module Menu Options* on page 3-4.

STATE Write security: 3; Read security: 5
Even though a module is physically installed, it must be marked **ONLINE** for it to be considered an available resource. This parameter allows an installed module to be marked **OFFLINE**, which may be useful in system troubleshooting.

STATUS Read security: 5
This is a read-only field presenting status information on the Resource Host Module. The following messages may display:

ONLINE The module is enabled, and is responding to the System Controller's status polls. This is the normal response of the system.

NO RESPONSE The module is enabled, but is not responding to the System Controller's status polls. This response indicates either a problem in the system or that the module is not installed.

EMPTY The System Controller has not detected the presence of a module in the slot, nor has a module been manually enabled for this option slot.

OFFLINE The module is installed, but has been taken offline by a user. The module is still responding to controller polls.

REV Read security: 5
This is a read-only field that displays the assembly revision of the Host Module.

RESOURCE HOST MODULE MENU OPTIONS

Figure 3-3 shows the menu options available for the Host Module. The following sections describe these options.



Figure 3-3. Resource Host Module Menu Options

INFO Read security: 5
The **RESOURCE HOST INFO** submenu indicates the status of the module.

PART NUMBER Displays the part number of the module. This field is read-only.

SERIAL NUMBER Displays the Resource Host Module's serial number. This field is read-only.

ASSEMBLY REVISION Displays assembly revision number. This field is read-only.

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Product Support Information

Pre-sales Inquiries and Applications Support

Please contact your local distributor, ADTRAN Applications Engineering, or ADTRAN Sales:

Applications Engineering (800) 615-1176

Sales (800) 827-0807

Post-Sale Support

Please contact your local distributor first. If your local distributor cannot help, please contact ADTRAN Technical Support and have the unit serial number available.

Technical Support (888) 4ADTRAN

Repair and Return

If ADTRAN Technical Support determines that a repair is needed, Technical Support will coordinate with the Custom and Product Service (CAPS) department to issue an RMA number. For information regarding equipment currently in house or possible fees associated with repair, contact CAPS directly at the following number:

CAPS Department (256) 963-8722

Identify the RMA number clearly on the package (below address), and return to the following address:

ADTRAN Customer and Product Service
6767 Old Madison Pike
Building #6 Suite 690
Huntsville, Alabama 35807

RMA # _____

