Acme Packet 4500

ETC NIU Installation Guide

Formerly Net-Net 4500

October 2013

ORACLE

About This Guide

Overview

The Acme Packet™ 4500 is a high performance, high capacity session border controller that optimally delivers interactive communications—voice, video, and multimedia sessions—across wireline, wireless, and cable IP network borders.

Audience

This guide is written for network administrators, and telecommunications equipment installers and technicians. It provides information related to the hardware components, features, installation, start-up, operation, and maintenance of the Acme Packet 4500. Only experienced and authorized personnel should perform installation, configuration, and maintenance tasks.

For information about Acme Packet 4500 training, contact your Acme Packet sales representative directly or email support@acmepacket.com.

Revision History

Revision history for this document.Acme Packet 4500 ETC NIU Installation Guide

Date	Revision Number	Description
June 15, 2013	Revision 1.00	• Initial Release

Acme Packet 4500 ETC NIU Installation Guide

Introduction

This guide describes how to install the Enhanced Traffic Controller (ETC) NIU, version 1 and version 2, into a Acme Packet 4500 or 3820.

1. Follow the preinstallation guidelines.
2. Ground yourself and follow proper ESD grounding procedures.
3. Identify the location or slot in the Acme Packet 4500 or 3820 the ETC NIU is going to be installed.
4. Install the ETC NIU into the Acme Packet 4500 or 3820.

Shipped Parts

ETC NIU order contains the following:

- Acme Packet ETC NIU

Installation Tools and Parts

The following tools and parts are required to install an ETC NIU.

- #2 Phillips-head screwdriver
- ESD wrist strap
- ESD safe location

Preinstallation

- This upgrade should be performed during low-traffic periods
- This upgrade should be performed during scheduled maintenance windows
- When installing an ETC NIU move it from an ESD safe packaging and location
- When removing an ETC NIU move it to an ESD safe location

System Requirements

- Minimum Operating System: nnSCX630m6 or SCX640m2
- Acme Packet 4500 or Acme Packet 3820
- Minimum Bootloader: 1.10 aug 2011

Caution

Before handling an ETC NIU, follow the proper ESD grounding procedures. Failure to do so could damage the ETC NIU and its components.

ESD

When performing maintenance on Acme Packet 4500 components you must ground yourself with an ESD wrist strap. Proper grounding is essential for handling static-sensitive equipment. Alternatively, you can ground yourself according to established grounding guidelines of the location where the Acme Packet 4500 or Acme Packet 3820 resides.

Note: An ESD wrist strap is not shipped with your ETC NIU.

ETC NIU Removal

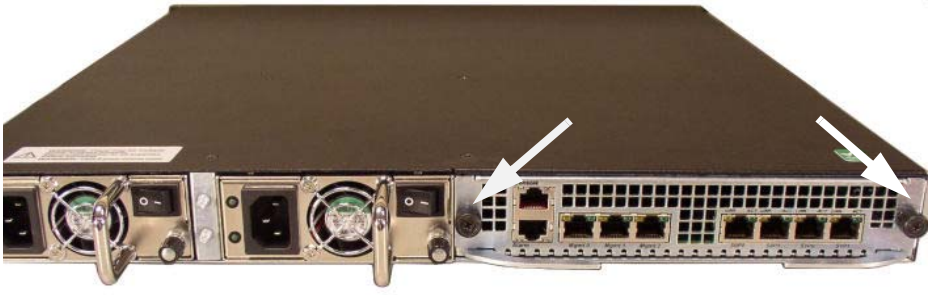
1. Front view of the Acme Packet 4500.

Front view of the Acme Packet 3820 is not shown. The Acme Packet 3820 front view is similar with a different bezel.

2. Rear view of the Acme Packet 4500 chassis.

Rear view of the Acme Packet 3820 is not shown. The Acme Packet 3820 rear view is the same.

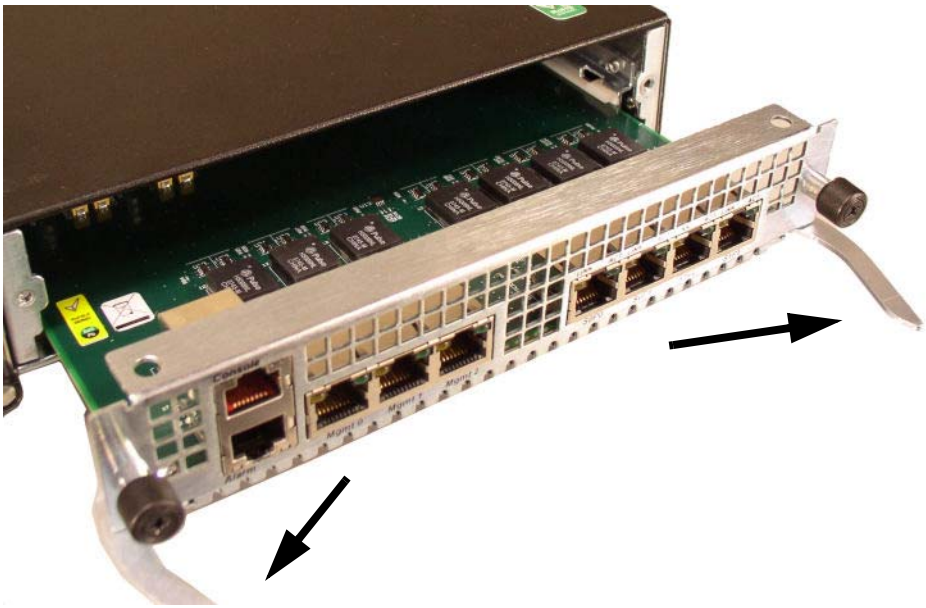
3. Unscrew the two thumb screws located on each side of the ETC NIU with a #2 Phillips head screwdriver. The screws are spring-loaded and will be pushed forward, but will not fall out of the ETC NIU.



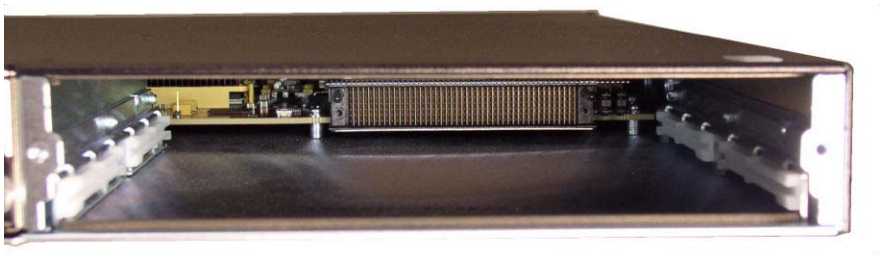
4. Pull the two ejector handles out and away from the chassis at the same time to disengage the ETC NIU from the midplane and chassis.

   Note: Do not force the ETC NIU out of the chassis. If there is any resistance. Check the alignment of the ETC NIU and guide rails.

5. Remove the ETC NIU from the Net -Net SBC and move it to an ESD safe location.

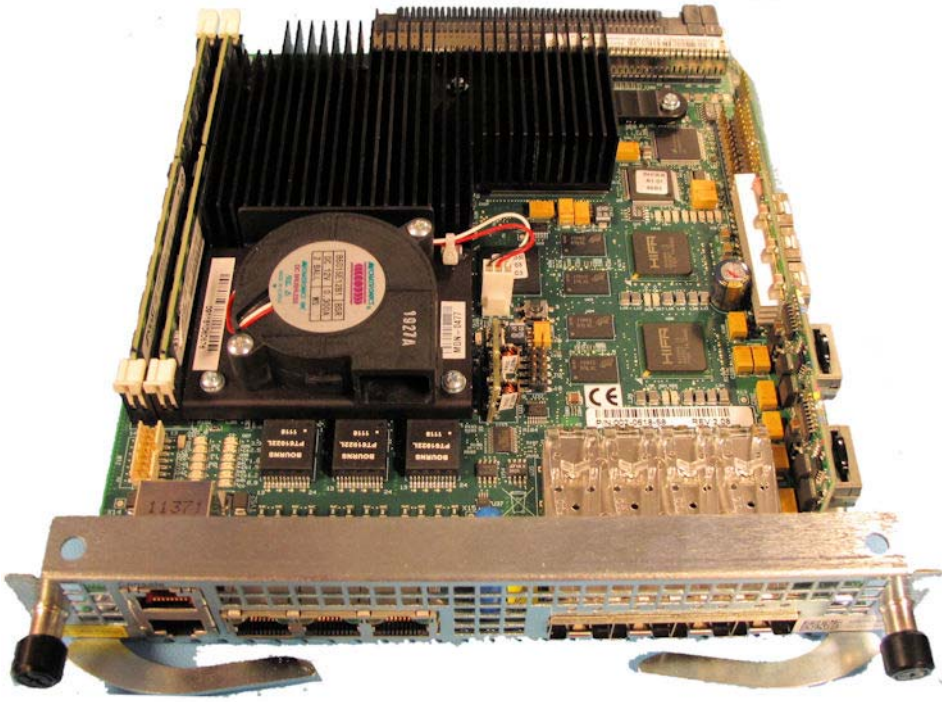


6. The ETC NIU is removed from the SBC and moved to an ESD safe location.



ETC NIU Identification

1. ETC NIU version 1.



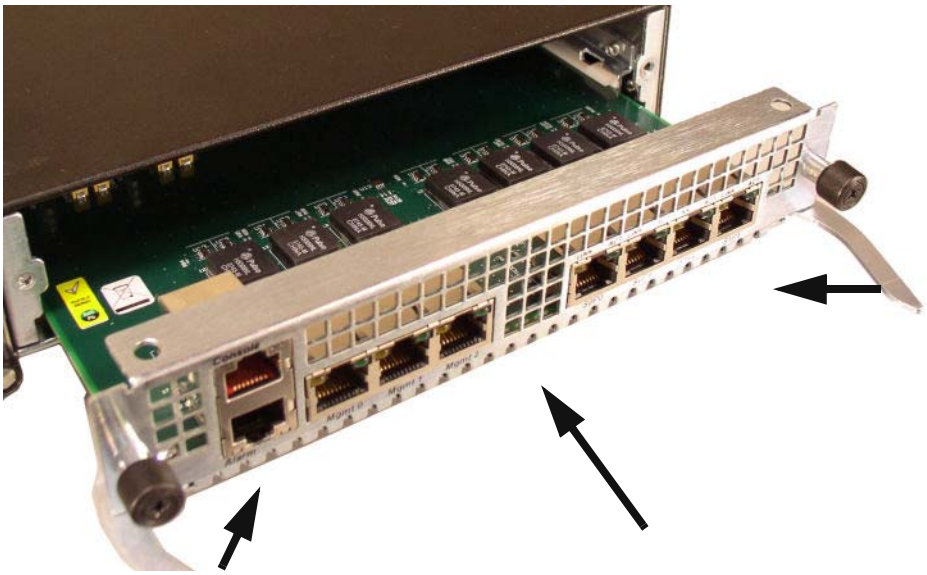
2. ETC NIU version 2

Acme Packet 4500 with the ETC NIU installed;.

1. Insert the ETC NIU into the chassis with both sides aligned with the guide rails.

   Note: Do not force the ETC NIU into the chassis. If there is any resistance remove the variable and the ETC NIU and check the alignment of the ETC NIU and guide rails.

2. Move the ETC NIU forward until it engages with the midplane and chassis.
3. Move the ejector handles from the extended position to the forward position into the chassis.



4. With a #2 phillips head screw driver, screw in the two screws so the ETC NIU is secured in the chassis.

System Startup

Once you have completed installing the ETC NIU, power on the system.