

UNCLASSIFIED

**IDENTIFICATION OF VOLATILE
AND NON-VOLATILE STORAGE
AND
SANITIZATION OF SYSTEM
COMPONENTS**

**JUNIPER NETWORKS
NFX250-S1**

**REVISION 1.0
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1 INTRODUCTION

1.1 Purpose

The purpose of this document is to provide direction to identify and remove all non-volatile (NV) storage from the Juniper Networks NFX250-S1 platform. Non-Volatile (NV) storage is a system memory that can store user data information and system configuration data even when system not powered. Volative (V) storage is a system memory that only retains data or its contents while system powered but when system powered off or interrupted, its data or contents are immediately lost.

1.2 Scope

This document only addresses the NFX250-S1 platform. While other platforms offered by Juniper Networks may contain similar hardware components, this document only applies to these devices. Furthermore, this document only provides direction for the identification and removal of NV storage components. It does not address destruction procedures for those components. As all of the NV storage components used in the NFX250-S1 are commercial off-the-shelf (COTS) components, directions for destruction of those components are left to the governing Department, Agency, or Office.

2 EQUIPMENT OVERVIEW

2.1 Identification of Chassis

NFX250 devices are available in two compact 1 U models that provide VNF and Packet Forwarding Engine capacity, and a rich set of Layer 2 and Layer 3 features. The performance of the control plane running on all NFX250 devices is enhanced by the 2.0 GHz 6-core Intel CPU. NFX250-S1 has 16 GB of memory and 100 GB of enterprise grade solid-state drive (SSD) storage.

NFX250 device has Eight 1-GbE network ports, two 1-GbE RJ-45 ports which can be used as either access ports or as uplinks, two SFP ports, two SFP+ ports, and one management port. NFX250 device has a 1 U form factor and comes with built-in fans and power supply.



Figure 2-1: NFX250-S1

2.2 Description of Field Replaceable Units (FRU)

NFX250-S1 and NFX250-S2 doesn't have any Field replaceable units
None of these components contain NV RAM. All NV RAM is either soldered or installed onto the system board.

3 POWER DOWN AND REMOVAL OF NON-VOLATILE STORAGE

In order to ensure that no user data or system configurations remain resident on a NFX250-S1 platform, the following steps must be performed:

1. Power must be removed from the system to clear all volatile storage
2. The SATA Flash modules must be removed from the system board sockets

A detailed process is included in the following sections.

3.1 System Power Down

Power down the system by removing any connected power cords from power supply.

3.2 Disassembly of the NFX250-S1 Chassis and Identification of NV storage

The NFX250-S1 does contain NV storages that is replaceable. In order to access the memory for removal, refer to the following steps:

1. Remove the power supplies from the system.
2. Remove the ear-mounts on both left and right side of the chassis if any.
3. Remove the six screws from the top of the system (figure 3-1)



Figure 3-1: Top side screws

4. Remove five screws from left side of chassis (figure 3-2)

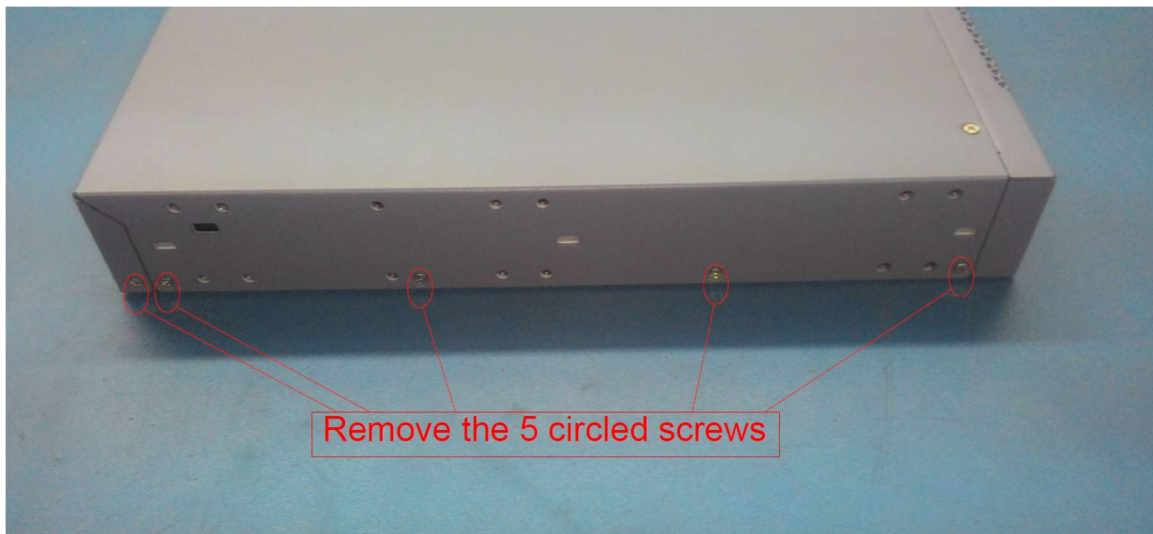


Figure 3-2: Left side screws

5. Remove five screws from right side of chassis (figure 3-3)



Figure 3-3: Right side screws

6. Remove the six screws from rear (figure 3-4)



Figure 3-4: Rear screw

7. Remove the top of the chassis (figure 3-5)

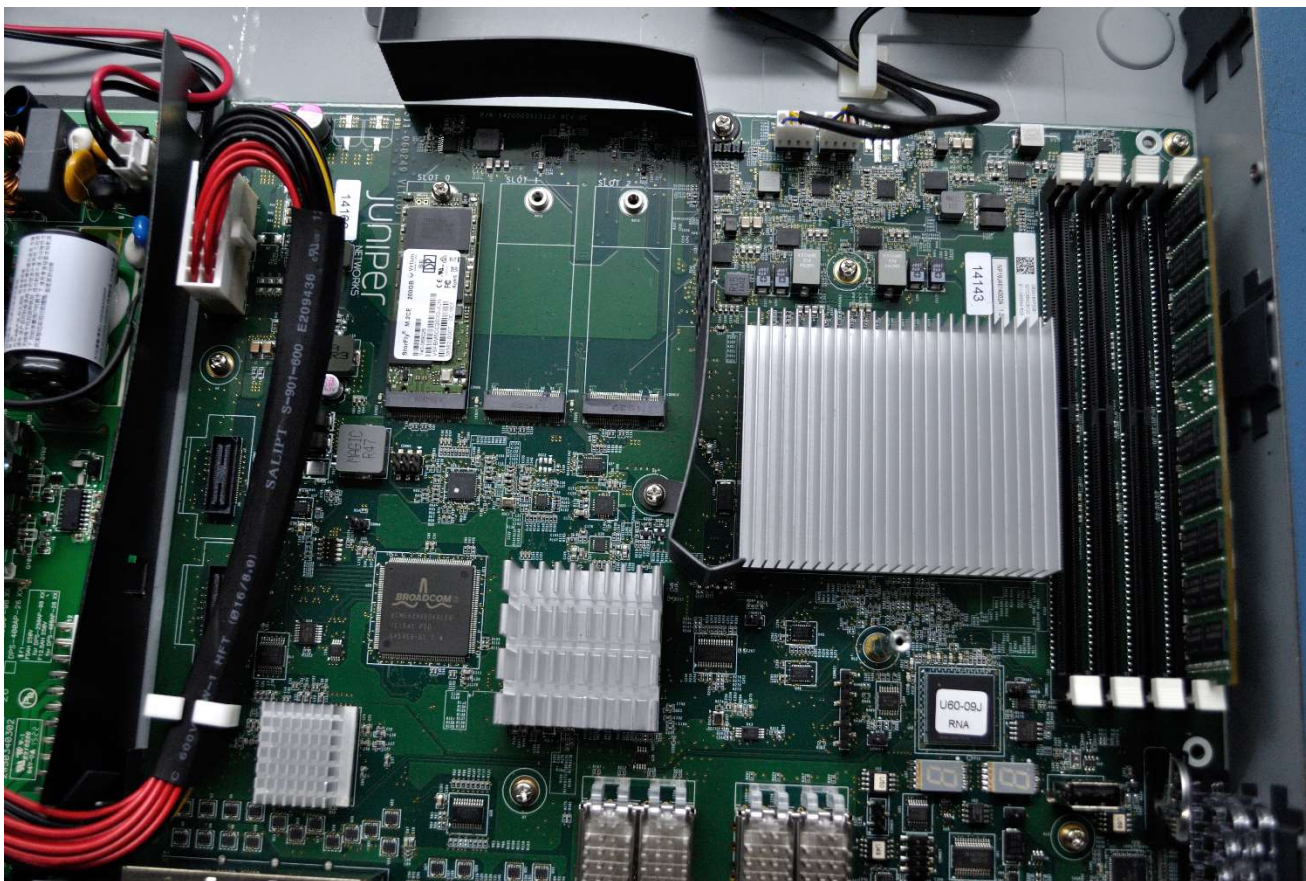


Figure 3-5: Open Chassis

8. Locate NV storage (figure 3-6).

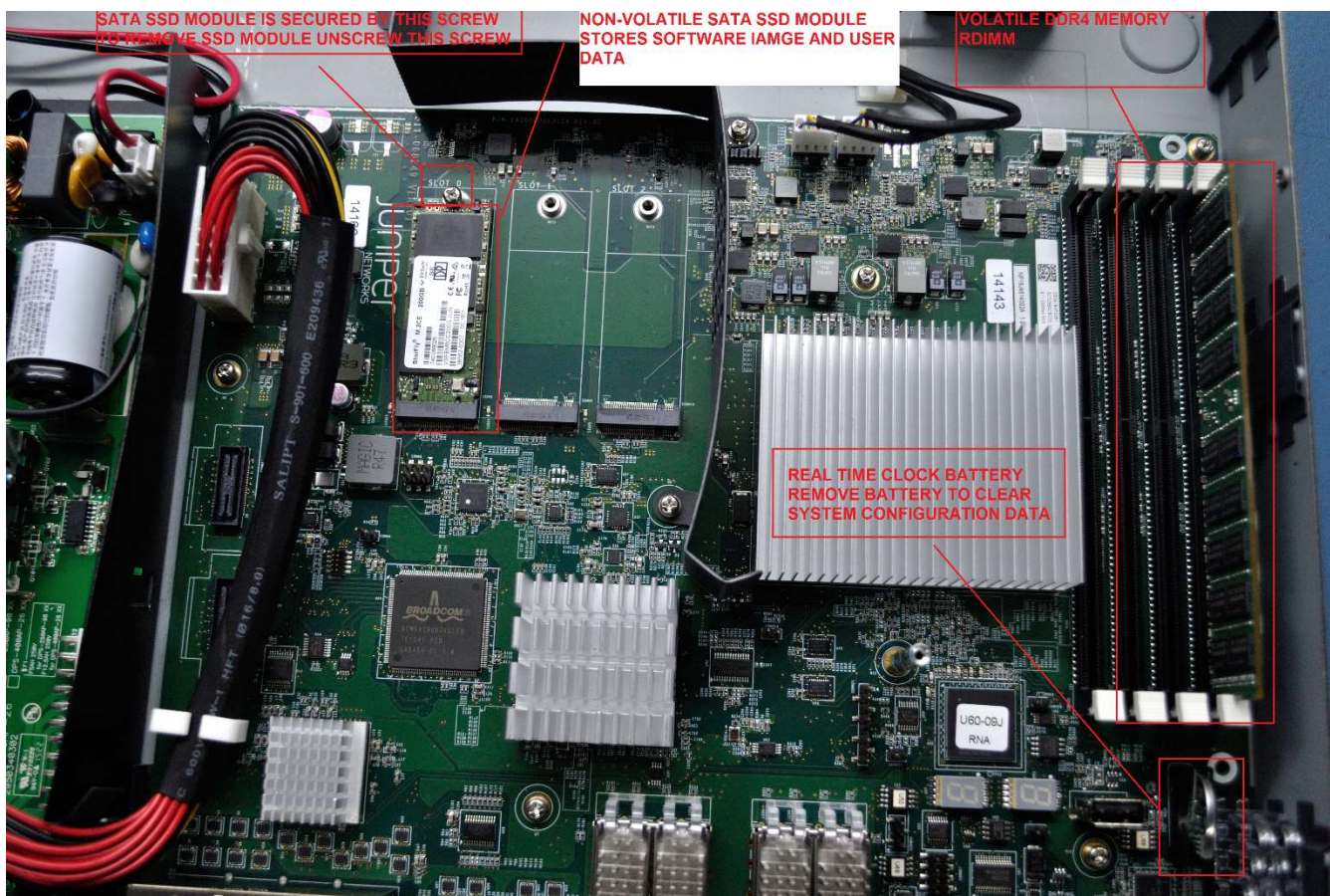


Figure 3-6: Locate NV storage (SATA SSD)

3.3 Removal of the SATA FLASH and SPI FLASH from the System Board

Once the NV storages has been located, follow the instructions below.

- a) Use screw driver to unscrew the screw and remove the SATA SSD module

NOTE : Before removal, ensure J-TAC and the appropriate account team has been notified of your intentions.