Replacing Memory on a Cisco Nexus 7000 Series I/O Module

Date: November 17, 2016

Part Number: 78-100406-01

This document describes how to replace the DIMM on a Cisco Nexus 7000 Series I/O module.

Note   Before you install, operate, or service the system, read the *Cisco Nexus 7000 Series Regulatory Compliance and Safety Information* for important safety information.

Replacing a DIMM on an I/O Module

To replace a DIMM on a Cisco Nexus 7000 Series I/O module, follow these steps:

Step 1 Follow ESD procedures, which include wearing an ESD wrist strap and placing antistatic foam or antistatic padding where you will place the I/O module while working with it. Choose a location that prevents damage to the module while it is outside the chassis.

Step 2 Disconnect each I/O cable and remove the SFP transceivers from the front of the module to be removed.

Warning **Invisible laser radiation may be omitted from disconnected fibers or connectors. Do not stare into beams or view directly with optical instruments. Statement 1051**

Step 3 Completely unscrew both captive screws on the installed I/O module that you need to upgrade.

Step 4 Press both ejector release buttons on the ends of the module to push out the ejector levers and to disconnect the module.

Step 5 Simultaneously rotate the two ejector levers outward to unseat the module from the midplane connector.

Step 6 With a hand on each ejector, pull the module part way out of its slot in the chassis.

Step 7 Grasp the front edge of the module and place your other hand under the module to support its weight. Pull the module out of its slot.

Caution To prevent ESD damage, avoid touching the electronic circuitry and prevent anything else from coming in contact with its circuitry.

Step 8 If you are removing the module from a Cisco 7010 chassis, rotate the module 90 degrees counterclockwise so that it is horizontal and you can see the circuitry from above.

Step 9 If there is a metal cover on the back of the I/O module, remove all 14 screws holding the metal cover in place and remove the metal cover before proceeding to the next step. See Figure 1.

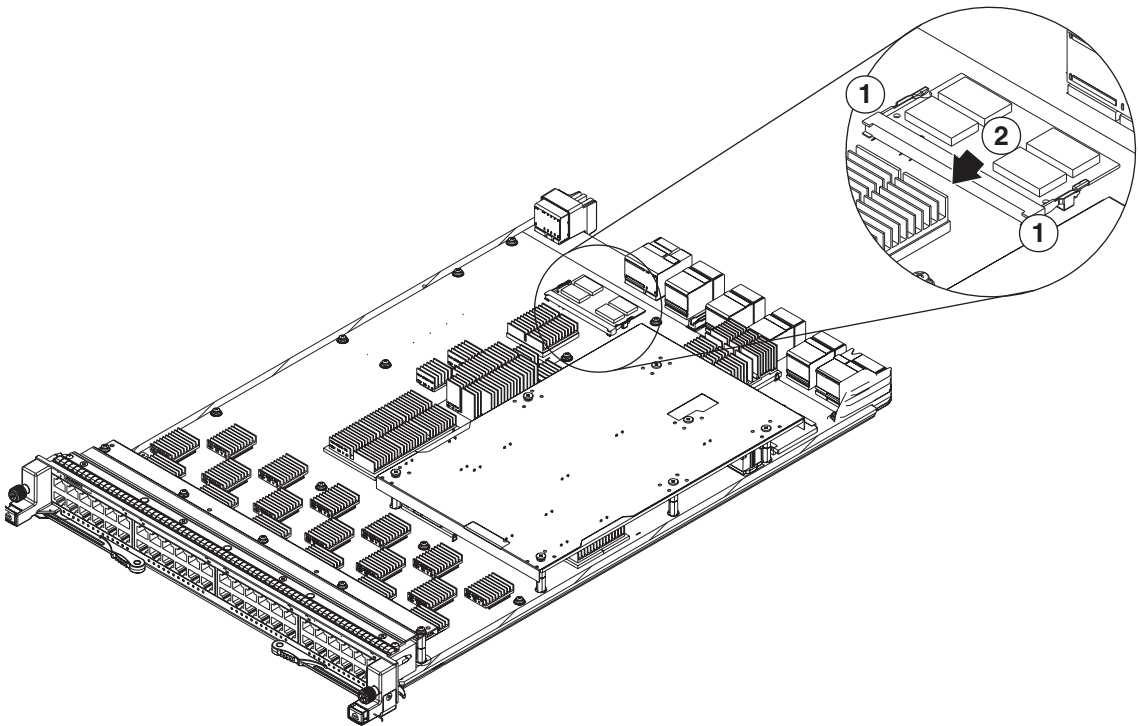***Figure 1***   ***Metal Cover on the Back of the I/O Module***
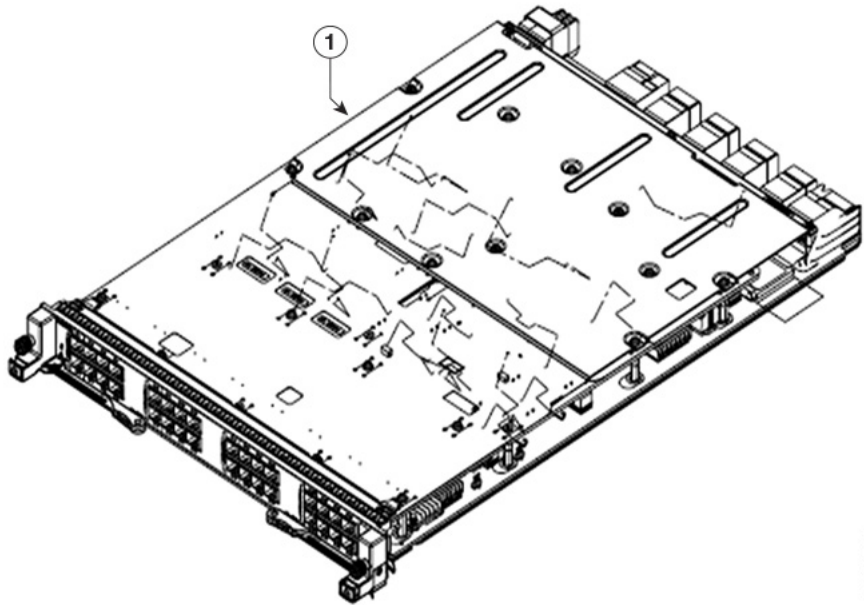
354882

1	Metal Cover		

Step 10   On the memory slot on the front of the I/O module, rotate both spring clips out.

Step 11   Holding the edges of the DIMM with your fingers, slide it out of its memory slot and place it in an antistatic bag. See Figure 2.
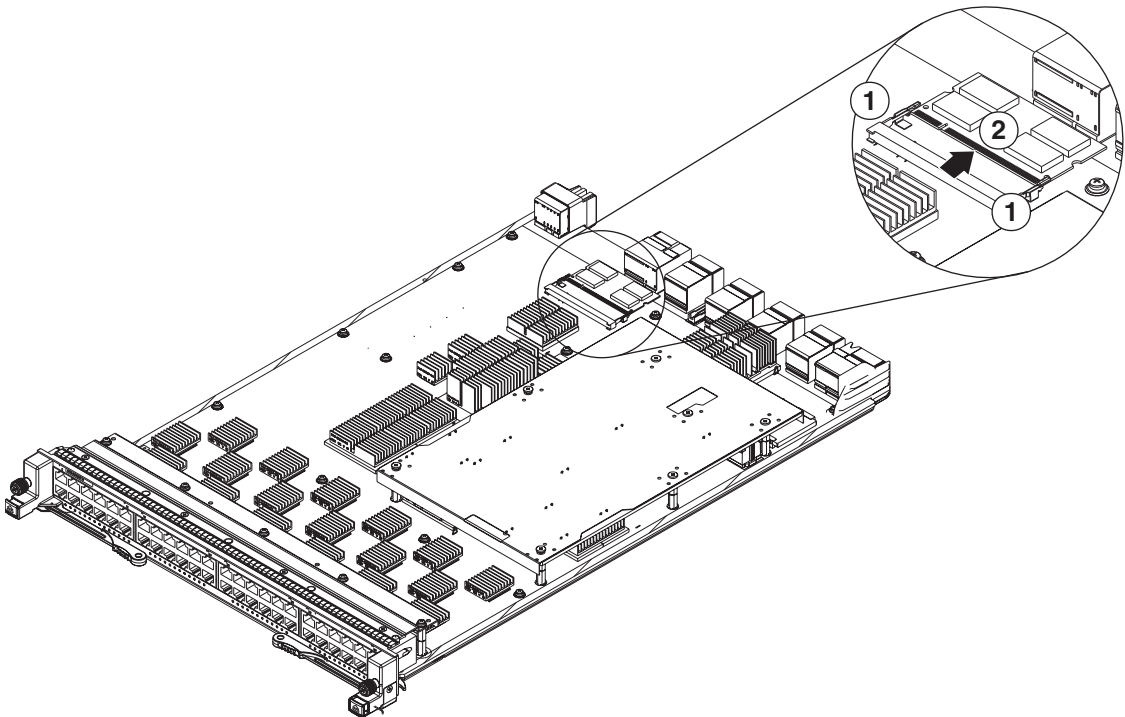
Figure 2   Removing a DIMM

1	On the memory slot on the front of the I/O module, rotate both spring clips out.	2	Hold the DIMM by its edges and pull it out of the memory slot.

Step 12 Holding the replacement DIMM by its edges, align it to the memory slot and push it into place until the spring clips click into the DIMM. See Figure 3.

Figure 3   Adding a DIMM

1	On the second memory slot on the front of the I/O module, rotate both spring clips out.	2	Holding the DIMM by its edges, align it to the second memory slot and push it into place until the spring clips click into the DIMM.

Step 13   Rotate both ejector levers away from the front of the I/O module.

Step 14   If the I/O module had a metal cover, as shown in Figure 1, secure the metal cover to the back of the I/O module by screwing in all the 14 screws before proceeding to the next step.

Step 15   Grasp the front of the module with one hand and place your other hand under the module to support its weight.

Step 16 Align the module to the open I/O slot in the chassis and push the module into the slot until it makes contact with the midplane.

Step 17 Simultaneously push both ejector levers inward until they come in contact with the face of the module.
The module should be fully seated in the slot and the captive screws should be aligned with their holes in the chassis. The EMI gasket should close the gap between this module and the next module.

Step 18 Screw in the two captive screws to the chassis and tighten them to 8 in-lb (0.9 Nm).

Step 19 Reconnect the copper (1000BASE-T) and fiber-optic (SFP, SFP+, FET, and X2) I/O modules as explained in the "Connecting an I/O Module" section of the *Cisco Nexus 7000 Series Hardware Installation and Reference Guide.*

Step 20 Verify that the module has 8 GB of memory by using the **show system resources** command.

Step 21 If you need to replace the DIMM on another Cisco Nexus 7000 Series I/O module, repeat Steps 2 through 18.

Related Documentation

Cisco NX-OS documentation is available at the following URL:

http://www.cisco.com/en/US/products/ps9372/tsd_products_support_series_home.html

The Release Notes for upgrading the FPGA/EPLD is available at the following URL:

http://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/6_x/epld/epld_rn_62.html

Release Notes

Cisco Nexus 7000 Series NX-OS Release Notes, Release 6.x

NX-OS Configuration Guides

Cisco Nexus 2000 Series Fabric Extender Software Configuration Guide

Cisco Nexus 7000 Series NX-OS Configuration Examples

Cisco Nexus 7000 Series NX-OS FabricPath Configuration Guide

Configuring Feature Set for FabricPath

Cisco Nexus 7000 Series NX-OS Fundamentals Configuration Guide

Cisco Nexus 7000 Series NX-OS High Availability and Redundancy Guide

Cisco Nexus 7000 Series NX-OS Interfaces Configuration Guide

Cisco Nexus 7000 Series NX-OS IP SLAs Configuration Guide

Cisco Nexus 7000 Series NX-OS Layer 2 Switching Configuration Guide

Cisco Nexus 7000 Series NX-OS LISP Configuration Guide

Cisco Nexus 7000 Series NX-OS MPLS Configuration Guide

Cisco Nexus 7000 Series NX-OS Multicast Routing Configuration Guide

Cisco Nexus 7000 Series NX-OS OTV Configuration Guide

Cisco Nexus 7000 Series OTV Quick Start Guide

Cisco Nexus 7000 Series NX-OS Quality of Service Configuration Guide

Cisco Nexus 7000 Series NX-OS SAN Switching Configuration Guide

Cisco Nexus 7000 Series NX-OS Security Configuration Guide

Cisco Nexus 7000 Series NX-OS System Management Configuration Guide

Cisco Nexus 7000 Series NX-OS Unicast Routing Configuration Guide

Cisco Nexus 7000 Series NX-OS Verified Scalability Guide

Cisco Nexus 7000 Series NX-OS Virtual Device Context Configuration Guide

Cisco Nexus 7000 Series NX-OS Virtual Device Context Quick Start

Cisco NX-OS FCoE Configuration Guide for Cisco Nexus 7000 and Cisco MDS 9000

NX-OS Command References

Cisco Nexus 7000 Series NX-OS Command Reference Master Index

Cisco Nexus 7000 Series NX-OS FabricPath Command Reference

Cisco Nexus 7000 Series NX-OS Fundamentals Command Reference

Cisco Nexus 7000 Series NX-OS High Availability Command Reference

Cisco Nexus 7000 Series NX-OS Interfaces Command Reference

Cisco Nexus 7000 Series NX-OS IP SLAs Command Reference

Cisco Nexus 7000 Series NX-OS Layer 2 Switching Command Reference

Cisco Nexus 7000 Series NX-OS LISP Command Reference

Cisco Nexus 7000 Series NX-OS MPLS Command Reference

Cisco Nexus 7000 Series NX-OS Multicast Routing Command Reference

Cisco Nexus 7000 Series NX-OS OTV Command Reference

Cisco Nexus 7000 Series NX-OS Quality of Service Command Reference

Cisco Nexus 7000 Series NX-OS SAN Switching Command Reference

Cisco Nexus 7000 Series NX-OS Security Command Reference

Cisco Nexus 7000 Series NX-OS System Management Command Reference

Cisco Nexus 7000 Series NX-OS Unicast Routing Command Reference

Cisco Nexus 7000 Series NX-OS Virtual Device Context Command Reference

Cisco NX-OS FCoE Command Reference for Cisco Nexus 7000 and Cisco MDS 9500

Other Software Document

Cisco NX-OS Licensing Guide

Cisco Nexus 7000 Series NX-OS MIB Quick Reference

Cisco Nexus 7000 Series NX-OS Software Upgrade and Downgrade Guide

Cisco NX-OS System Messages Reference

Cisco Nexus 7000 Series NX-OS Troubleshooting Guide

Cisco NX-OS XML Interface User Guide

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation* at: http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html.

Subscribe to *What's New in Cisco Product Documentation*, which lists all new and revised Cisco technical documentation, as an RSS feed and deliver content directly to your desktop using a reader application. The RSS feeds are a free service.

This document is to be used in conjunction with the documents listed in the section.