Intel® IP Network Server NSI2U Hardware Reference Guide

Thank you for buying an Intel® Server System. The following information will help you use and maintain your Intel® IP Network Server NSI2U.

This Guide is for technically qualified service persons. Expanded installation instructions and complete product information are available in the Intel® IP Network Server NSI2U User Guide.

These guides and other supporting documents are located on the web at http://support.intel.com/support/motherboards/server/nsi2u/manual.htm

If you are not familiar with ESD (Electrostatic Discharge) procedures used during system integration, please go to the web at

http://support.intel.com/support/motherboards/server/nsi2u/manual.htm

Warning

inte



Read all caution and safety statements in this document before performing any of the instructions. Also see the Intel® Server Board and Server Chassis Safety Information document at: ttp://support.intel.com/support/motherboards/server/safecert.htm for complete safety information.

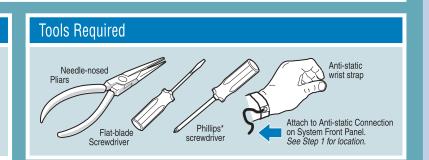
Warning

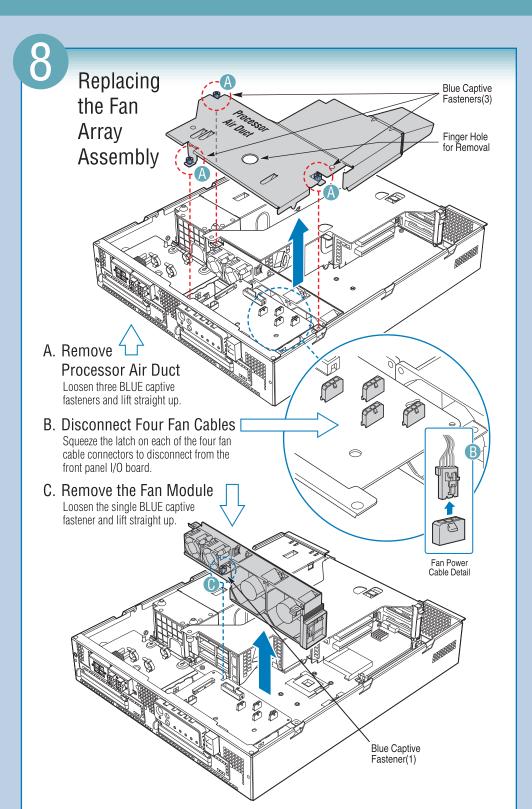


Installation and service of this product to be performed only by qualified service personnel to avoid risk of injury from electrical shock or energy hazard.

Caution

Observe normal ESD [Electrostatic Discharge] procedures during system integration to avoid possible damage to server board and/or other components.





Minimum Hardware Requirements

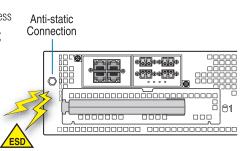
To avoid integration difficulties and possible board damage, your system must meet the following

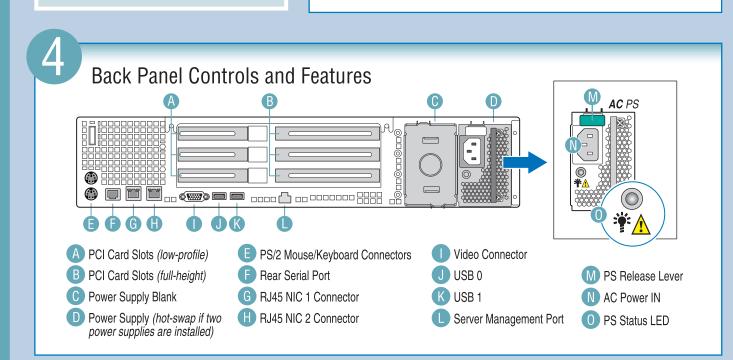
- Processor: Minimum of one Intel® Xeon™ processor with 2 MB cache support.
- Memory: Minimum of two 256 MB (512 MB), DDR2-400/533-compliant Registered ECC SDRAM 240-pin gold DIMMs.
- AC Power: 600W with 1.2A of 5V standby current.

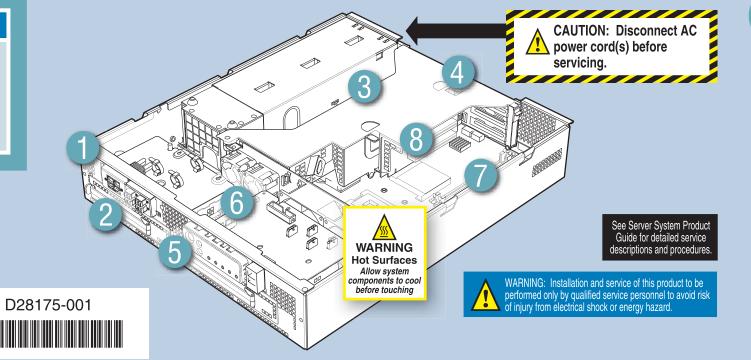
Ground Strap Attachment Location

You must remove the bezel to access the ground strap attachment point. If the bezel is installed, see Step 2

Attach ground strap to anti-static connection point.







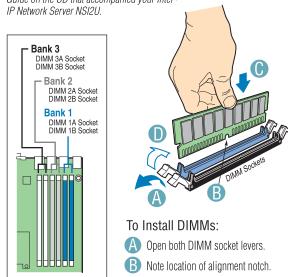
Installing Memory

Memory Type: Minimum of two 256 MB, DDR2-400/533 compliant Registered ECC or non-ECC, SPD SDRAM 240-pin gold DIMMs. Remove the Bezel and Top Cover

Notes and Cautions: Bank 1 (DIMM1A and DIMM1B) must be fully populated before populating Bank 2 (DIMM2A and DIMM2B). Memory must be populated in pairs.

The DIMM size, speed and vendor must be the same within a bank. However, the DIMM size can vary between banks. For example, Bank 1 can use two 256 MB DIMMs and Bank 2 can use two

Note: For additional memory configurations, see the User Guide on the CD that accompanied your Intel®



Insert DIMM making sure the connector edge of the DIMM aligns

correctly with the slot. Push down firmly on the DIMM until it snaps into place and both levers close. Servicing the Hard Disk Drives

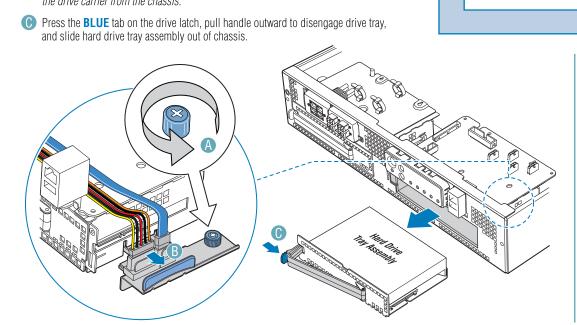
See Steps 2 and 3 above ...

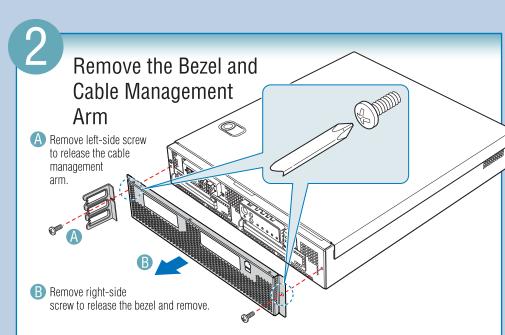
Remove the Hard Drive Trav

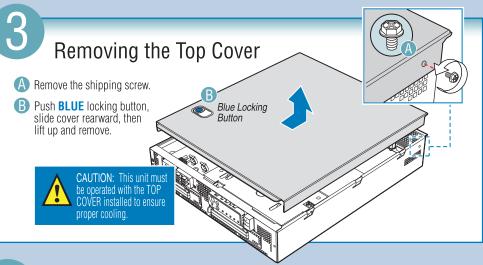
CAUTION: Hard disk drives are **NOT hot-swap.** See your Intel® IP Network Server NSI2U User Guide for detailed hard disk drive service procedures.

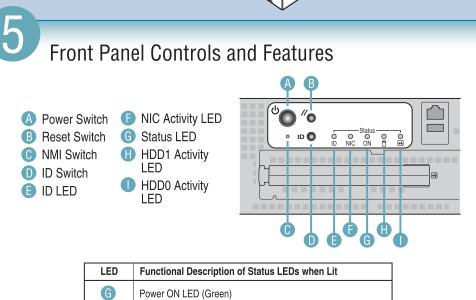
A Unscrew the **BLUE** thumbscrew.

B Push on the **BLUE** touchpoint to disengage the SATA connector bracket from the SATA drive. Note: It is not necessary to disconnect SATA data and power cables to remove the drive carrier from the chassis.



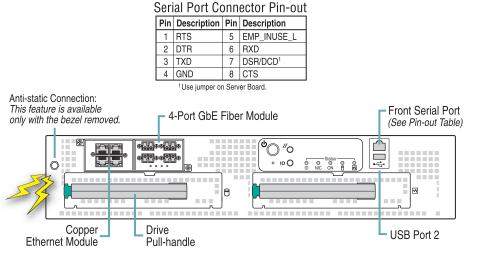


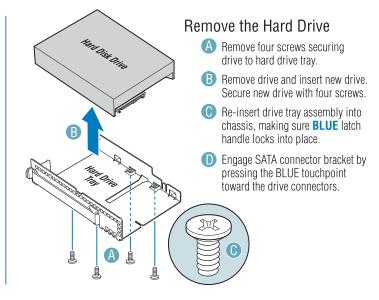




Disk Activity (All Hard Drives) (Activity = Green, Fault = Red)

System Status LED (No Fault = Green, Fault = Red)





Intel is a registered trademark of Intel Corporation or its subsidiaries in the United States and other countries. * Other names and brands may be claimed as the property of others. Copyright © 2005, Intel Corporation. All rights reserved.