

11 Re-install Enclosure Cover

- Align enclosure cover over corresponding notches in chassis.
- Slide enclosure cover toward front of chassis.
- Secure enclosure cover to chassis by aligning the notch in the cover with the lock symbol.

12 Connect Peripheral and I/O Devices

- Install an USB hub to the USB port on the back of the chassis.
- Plug an USB CD-ROM drive and an USB floppy drive into the USB hub.
- Connect a keyboard, mouse and/or other I/O devices to the back of the chassis.
- Connect a VGA monitor to the back of the chassis.

Note: See the Tested Hardware and Operating System List at <http://support.intel.com/support/motherboards/server> for a list of supported floppy drives, CD-ROM drives and USB hubs. IDE drives are not supported.

13 Plug in System

- Connect power cord(s) to installed power supply module(s). Plug power cord(s) into power source.
- Power up the system by pressing the power button. Press <ESC> to view the RAID BIOS bootup screens.
- Ensure that power supply LED is green. Green indicates power is on.

Note: When initially plugging in the power cord, the power supply requires 10 seconds to initialize before the power button will function.

14 Enter RAID BIOS Console

- Press <Ctrl><G> when the following screen appears.

- The following two messages will appear at the bottom of the screen: "Intel® RAID BIOS Console will start after POST completes," and "Please wait to start Intel® RAID BIOS Console..."
- Once the Intel® RAID BIOS Console starts, it will display the adapters (0-1) installed in the system. Select the **Adapter No. 0** radio button and then click **Start**.

15 Create a RAID Volume on Adapter 0 (Drives 1-6)

- After a brief pause, the RAID BIOS Console screen will appear. Click on **Configuration Wizard**.
- Select **New Configuration** and click **Next**.
- Select the configuration you wish to set up. (For this example, we selected "Custom Configuration".) Click **Next** to continue.
- Add physical drives to the array by holding the control key while clicking on ready drives. Once you have selected all of the drives you wish to add to the array, click **Accept Array** and then click **Next**.

Note: Refer to the GUI Help files for more information on screen displays.

Note: Refer to the Intel® Storage System SSR212CC User Guide for a description of applicable RAID levels.

- If desired, define additional arrays. If finished, click **Accept Arrays**. Click **Next** to continue.
- Select the **RAID Level** from the pull-down box. Enter in the size of the logical drive. Click **Accept**.
- Click **Accept**.
- Click **Yes** when asked to save the configuration.
- Click **Yes** when asked to initialize the new logical drives. Depending on drive size and RAID level, initialization can take many hours to complete.
- Select **Initialize RAID** and then click on **Go** to continue.
- Click **Home**.

Note: Refer to the Intel® RAID Controller SRC28X Software Manual for other than default (custom) settings.

16 Create a RAID Volume on Adapter 1 (Optional)

- Click **Adapter Selection**.
- Select the "Adapter No.1" radio button and click on **Start**.
- Repeat all instructions in Step 15.
- Click **Exit**.
- Select **Yes** when asked to Exit Application.
- Reboot system by pressing <Ctrl><Alt> .

17 Install Operating System

Note: Before installing the operating system, power up the storage system and enter BIOS Setup by pressing **F2** at the POST screen. Ensure that the boot order is set to **Floppy, CD-ROM, RAID, PXE1, PXE2, EFI**. The emulation type under the USB Mass Storage Device Configuration for the CD-ROM and Floppy USB device should be set to **AUTO**. After rebooting, ensure the floppy drive and CD-ROM drive are recognized by monitoring the BIOS POST screen before installing the operating system.

Microsoft Windows Server 2003* SP1 or Microsoft Windows Storage Server* Installation OR Red Hat* Enterprise Linux 4 Installation

Step A: Install Microsoft Windows Server 2003* or Microsoft Windows Storage Server*

Important: When the blue setup screen first appears, press <F6>.

- Boot the system with the Microsoft Windows Server 2003* or Microsoft Windows Storage Server* CD-ROM.
- Press **F6** as soon as the first blue screen appears to bypass mass storage detection.
- When prompted to specify a mass storage controller:
 - Select "S" to specify additional storage devices.
 - Insert installation driver diskette (created in Step 1 of this Quick Start User's Guide).
 - Press **Enter** to select "Intel® RAID Controller for Windows 2003*" and continue with Windows installation.

Important: Complete the steps on the reverse side before beginning your operating system installation. If you are installing a version other than Red Hat* Enterprise Linux 4, refer to <http://support.intel.com/support/motherboards/server> for instructions.

Step A: Install Red Hat* Enterprise Linux 4

Read the Red Hat documentation to understand the disk space/size requirements for Red Hat* Enterprise Linux 4

- Boot the system with the Red Hat* Enterprise Linux 4 CD-ROM.
- At the boot prompt, insert the Linux driver disk that you created in Step 1 on the reverse side of the document. Type **linux cd**. Press **Enter**.
- Follow the on-screen instructions to complete the installation. The RAID controller driver will be automatically detected and installed.

Note: For other operating system installations, refer to the readme.txt files on the Resource CD for the driver being installed.

18 Install Software

Install Operating System Drivers

On Linux operating systems, browse the Resource CD to locate the appropriate drivers to install. For Microsoft Windows* installations, load the Resource CD and select **Software** from the top menu and then **Windows** to obtain a list of specific drivers that can be installed.

Install Intel® Enclosure Management Software

On the Resource CD, select **Software** from the top menu and then select **Microsoft Windows** or **Red Hat Linux**. Next, select the appropriate Intel® Enclosure Management Software for your operating system. The Intel® Enclosure Management Software is required to properly control the fans and status LEDs.

Install Intel® RAID Web Console Package

Install the Intel® RAID Web Console package from the Resource CD. For more details, see the *Intel® RAID Controller SRC28X Software Manual* on the Resource CD.

Install Intel® Server Management 8 (optional)

With the operating system running, insert the Intel® Server Manager 8.40 CD that came with your server board. On a Windows* operating system, the Setup program will autorun. Follow the on-screen instructions. For installation details, see *Getting Started with Intel® Server Manager 8.40* located on the ISM CD.

19 Install Rail Kit (Optional)

Refer to the *Rail Kit Install Guide* that is included with your rail kit for instructions on assembling your storage system for a rack-mount configuration.

Accessories and Order Codes	
Cable Kit	FXSCABLES
Chassis FRU	FXCCHASSIS
Drive Carriers	FXSDRVCARR
Interposer Board	FXSIPOSER
Power Supply Cage	FXSPSCAGE
Fan Tray Assembly	FXSFANTRAY
Intel® Server Board SE7520JR2	SE7520JR2ATAD2
2U 3-Slot Riser PCI-X Riser Card	ADRACTRIS
Intel® RAID Controller SRC28X	SRC28X
Battery Backup Unit	AXXRIBBU1
500-W Power Supply	TLPACPSU002
Intel® Management Module Pro	AXXIMMPRO

A complete list of accessories and spares can be found at: www.intel.com/go/serverbuilder.

