

Note: Refer to the Intel®

RAID Controller SRCS28X

Software Manual for other

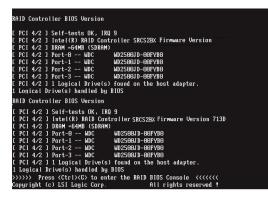
than default (custom)

settings.



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.



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.

Note: Refer to the GUI Help

files for more information on

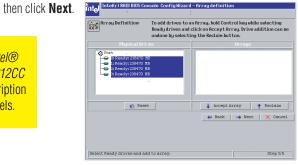
screen displays.

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

3 Select the configuration you wish to set up. (For this example, we selected "Custom Configuration".) Click **Next** to continue.

or i	ard can define the most efficient configu f you are an experienced user, Mizard can stom Configuration).			onfiguration)
•	Custom Configuration:	Allows you to define all aspects of the configuration, arrays, logical drives, and their parameters. Automatically creates redundant arrays and logical drives, where possible, and sets their parameters. Y automatically creates non-redundant arrays and logical drives, and sets their parameters.		
0	Auto Configuration: With Redundancy (Recommended)			
0	Auto Configuration: Without Redundance			
		4n Back	→ Next	X Cancel
961	ect Appropriate configuration type-			Step 2/5

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



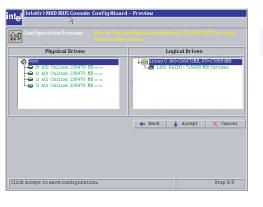
f lf desired, define additional arrays. If finished, click **Accept** Arrays. Click Next to continue.

Array Definition:	Ready drives and	o an Array, hold Control key uhile selecting nd click on Accept Array. Drive addition can h tting the Reclain button.		
© 00 Online: 238470 — ir Online: 238470 — 2 Online: 238470 — 3 Online: 238470	EB	Port 1	t Online: 23847 : Online: 23847 : Online: 23847 : Online: 23847	OMB
E Rese		. Accept i	Array	Reclaim
		← Back	→ Next	× Cance
elect Ready drives and ad	d to array.			Step 3/5

Select the **RAID Level** from the pull-down box. Enter in the size of the logical drive. Click Accept

Logical di		e Logical Drives using the arrays defined in the ous screen.		
Logical Drive E	9	Configuration		
RAID Level	RAID 5	Les Array 0 :R0=953880MB, R5=715410MB		
Stripe Size	64 KB			
Read Policy	No Read Ahead			
Write Policy	Write Thru •			
Cache Policy	Direct IO 🔻			
Span	Disable w	Array n: RAID Level - Size Available		
Select Size	715410 HB	m rag is anto 2000 = 5120 Hoditable		
		ccept 🔊 Reset		

Click Accept.



8 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.

Create a RAID Volume on Adapter 1 (Optional)

Click Adapter Selection.

2 Select the "Adapter No.1" radio button and click



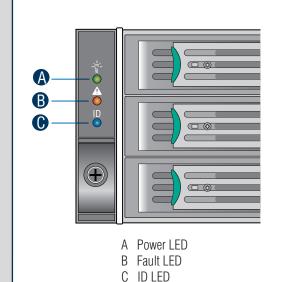
Repeat all instructions in Step 15.

4 Click Exit.

Select **Yes** when asked to Exit Application.

6 Reboot system by pressing <Ctrl> <Alt> .

Front Panel



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.

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.

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Microsoft Windows Server 2003* SP1 or Microsoft Windows Storage Server* 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: 3.
 - 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.

Red Hat* Enterprise Linux 4 Installation

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 dd. 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.

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

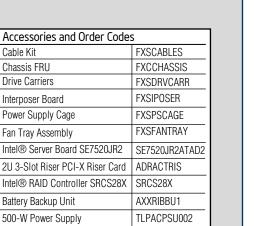
On the Resource CD, select **Software** from the top menu and then select Microsoft Windows or Red Hat Linux. Next, select the appropriate Intel® Enclosure Management Software for your operating system. The Intel® Enclosure Management Software is required to properly control the fans and status LEDs.

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 SRCS28X 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.



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

Intel® Management Module Pro AXXIMMPRO

Accessories and Order Codes

Intel® Server Board SE7520JR2

Cable Kit

Chassis FRU

Drive Carriers

Interposer Board

Power Supply Cage

Fan Tray Assembly

Battery Backup Unit

500-W Power Supply

A	B 0 0		(3)
0		0000	0 6
A Power Supply N	lodule	G Empty Slot	M Serial Port (used for configuratio

B Primary A/C Power Connector

C Power Button

D PS2 Mouse Port

E Intel® RAID Controller SRCS28X F Intel® RAID Controller SRCS28X H ID LED I USB Port

J Video Port

K NIC2 Port (1 GB)

L NIC1 Port (1 GB)

N PS2 Keyboard Port

O Reset Button P Blanking Plate

Q Power Supply Module Indicator LED

Back Panel