

Updating the Intel BNU31 RAID controllers Firmware procedure (v1.0)

Follow the procedure below to update the firmware via XROM Storcon (During POST) °

The steps below assume the firmware image was saved to a floppy diskette , and the firmware version of Intel BNU31 RAID controller was **2.32.02-R00F** :

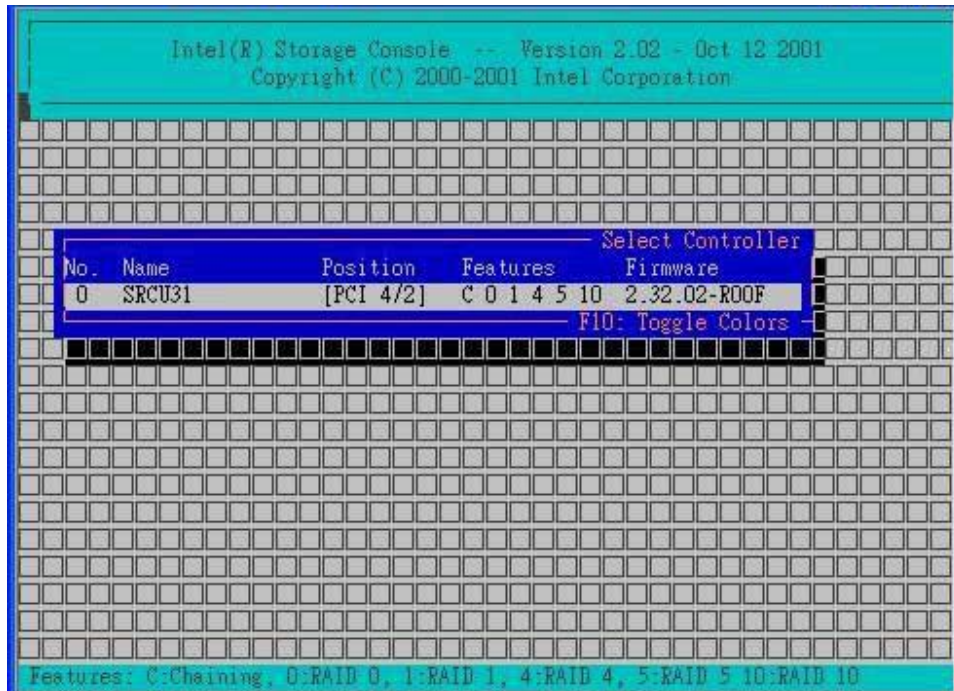
- (1) Press <CTRL><G> During RAID Card POST and check the original firmware version :

```
PCI          Storage RAID Controller BIOS                      Version 6.05B
Copyright (C) 1991-2001 by Intel Corporation                 Nov  7 2001
All rights reserved!
BIOS at 0x000D0000-0x000D57FF
1 Controller(s) found, Selftests OK, scanning SCSI Bus ...
[PCI 4/2] DPMEM (B) at 0xFC000000-0xFC003FFF, INT A = IRQ 9.
[PCI 4/2] SRCU31 - HWLO - 128 MB SDRAM/ECC - 2048kB Flash-RAM
[PCI 4/2] SN 01EFO6A5 - Firmware-FW-Version 2.32.02-R00F - Nov  7 2001...
[PCI 4/2] ECC support enabled.
No Host Drive Found
```

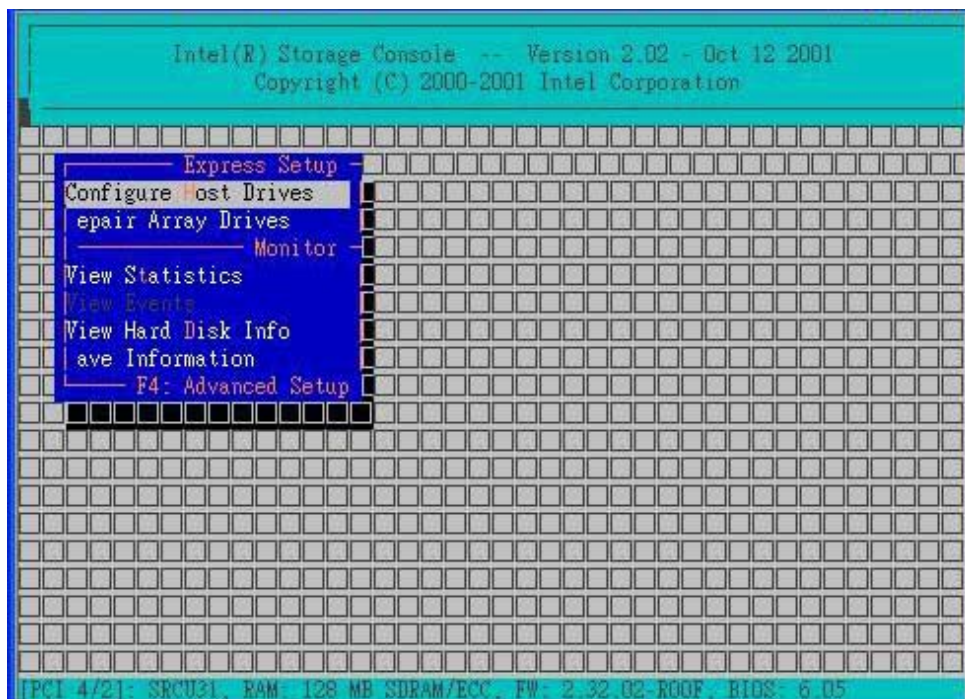
- (2) Press “Esc” once if you did not modify the boot order from BIOS ; and you can choose the boot device “Special Hook \ INT19” from BBS support BIOS :

```
Select boot device.
Use <$> or <%>, then <Enter>
or press <Esc> to exit.
01. (0) Floppy (A)
02. (0) IDE 2M : ASUS CD-S500/A
03. (6) Solectron Asus Server Management \ HD-63
04. (1) Special Hook \ INT19
```

- (3) Launch StorCon, select the applicable IIR controller and press <Enter>



- (4) If the Express Setup menu is displayed, press <F4> to display the Advanced Setup menu.



- (5) Select the menu option, Configure → Controller and press <Enter>. Insert the floppy disk created by the BNU31FW.exe into the floppy disk drive.

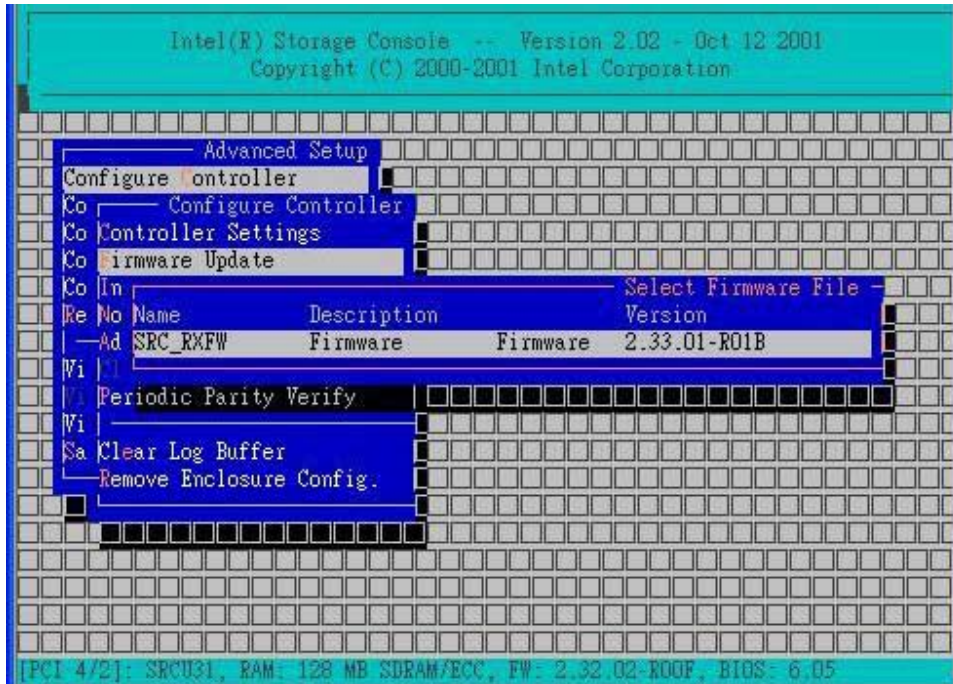


- (6) From the Configure Controller submenu, select Firmware Update and press <Enter>.

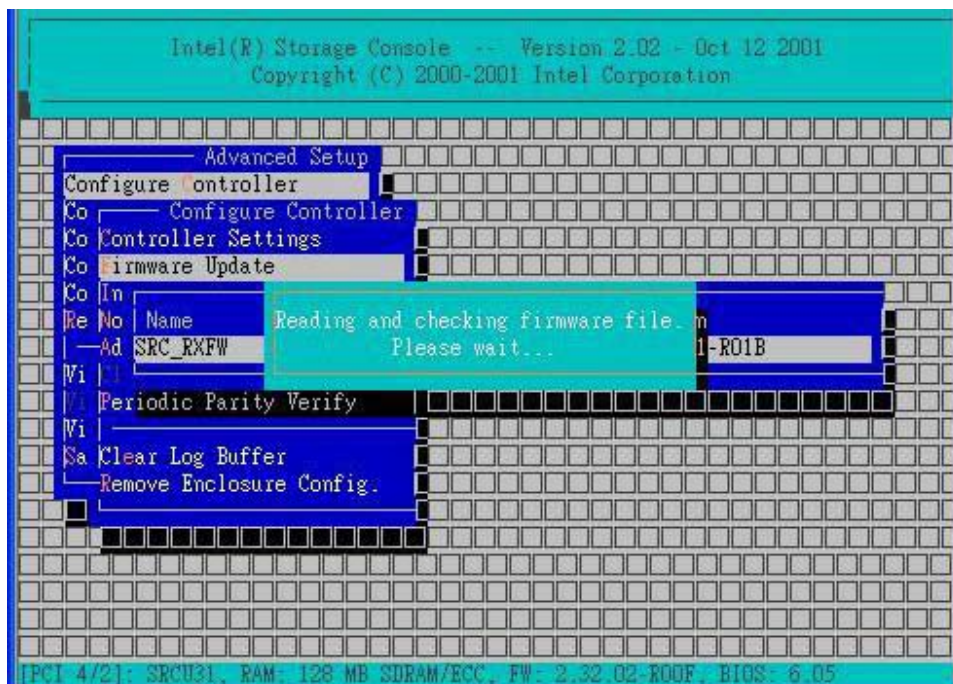


- (7) XROM StorCon automatically searches for the firmware file from the floppy drive, a:\. ;

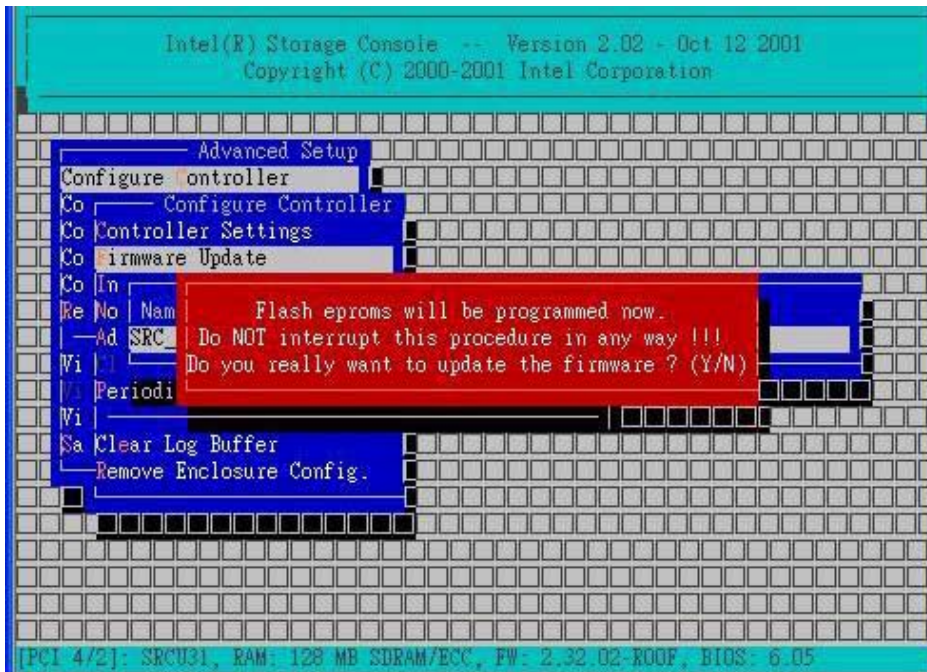
After finding the file, StorCon displays the name, description and version of the firmware. Press <Enter>.



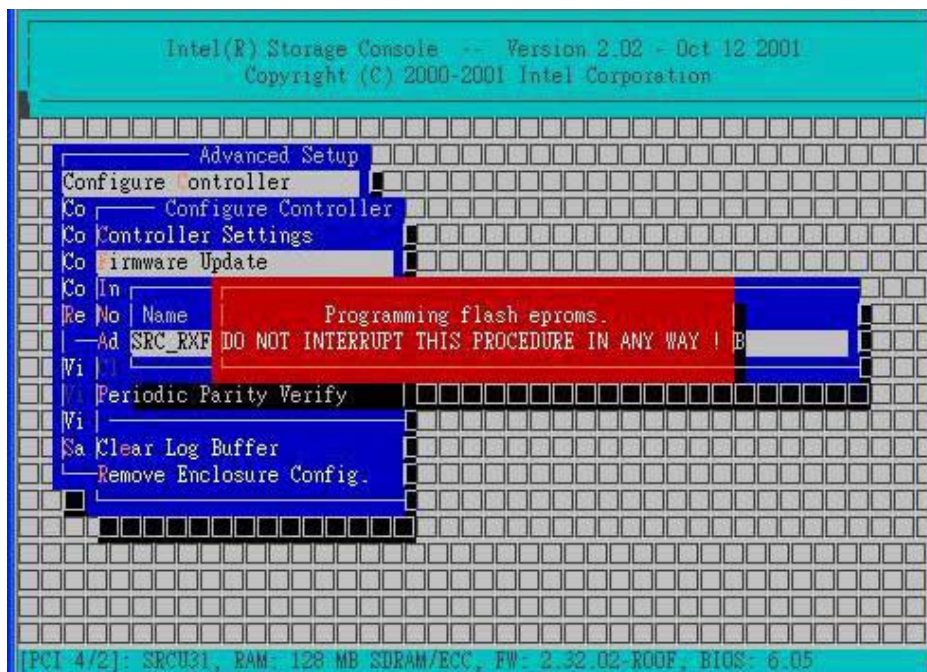
- (8) Press <Enter> to start reading and checking firmware file.



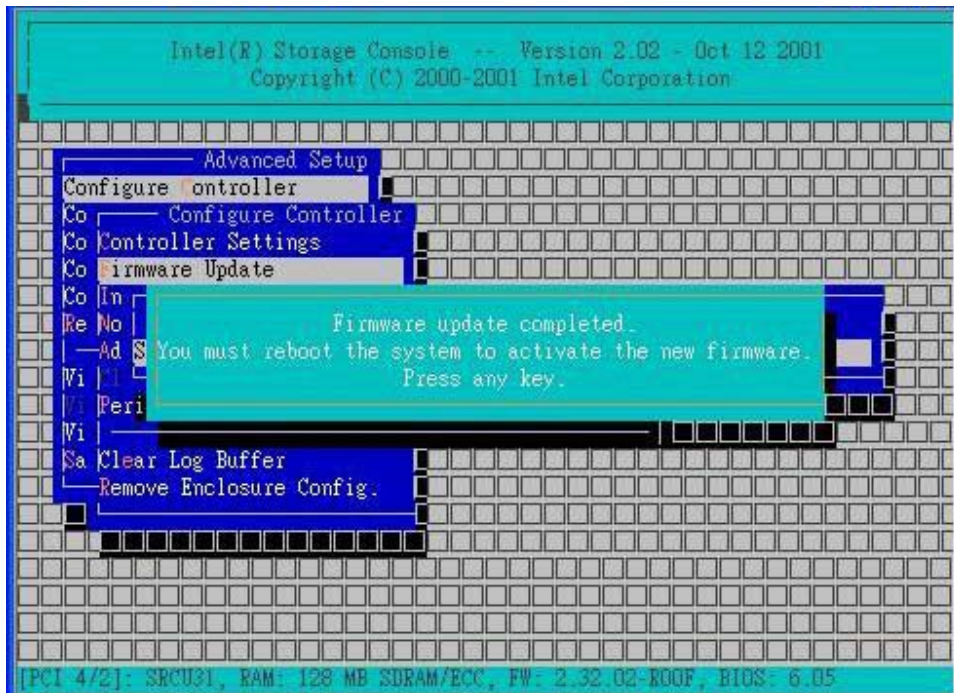
- (9) It will show warning message to confirm if you really want to update the firmware.



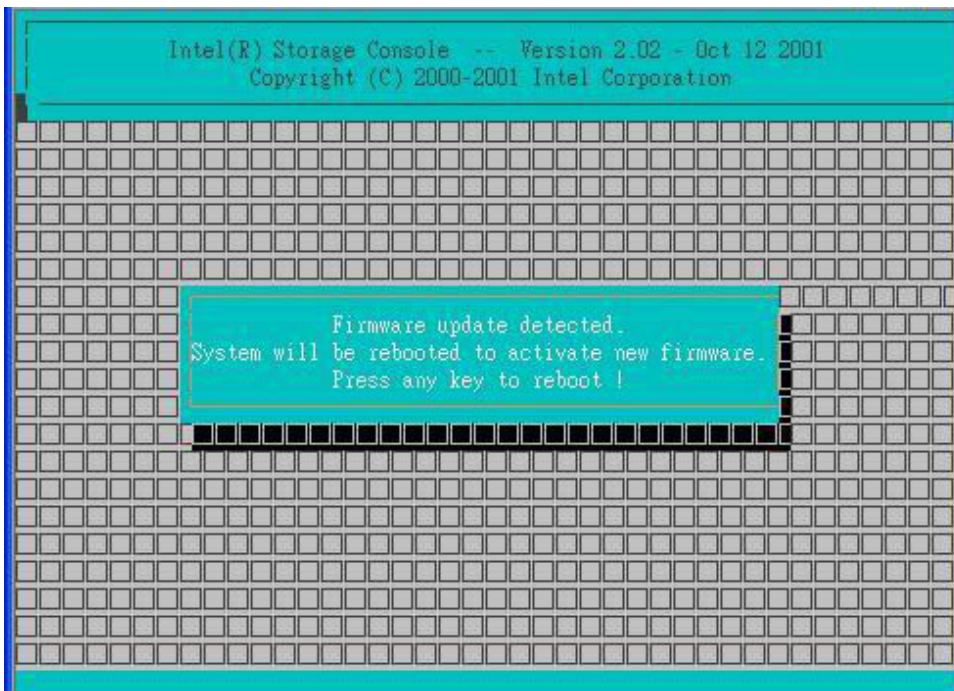
- (10) Press “Y” to start programming flash eproms , and do not interrupt the procedure ; otherwise it will cause failure of RAID card function.



- (11) After firmware update completed , you must reboot the system to activate the new firmware :



- (12) Press “Esc” to exit the Storcon utility ; it will show “Firmware update detected” , the press any key to reboot the system :



- (13) System Reboot and activate the new firmware

```
PCI          Storage RAID Controller BIOS                               Version 6.08B
Copyright (C) 1991-2002 by Intel Corporation                          Apr 12 2002
All rights reserved!
BIOS at 0x000D0000-0x000D57FF
1 Controller(s) found, Selftests OK, scanning SCSI Bus ...
[PCI 4/2] DPMEM (B) at 0xFC000000-0xFC003FFF, INT A = IRQ 9..
[PCI 4/2] SRCU31 - HWLO - 128 MB SDRAM/ECC - 2048kB Flash-RAM
[PCI 4/2] SN 01EFO6A5 - Firmware-FW-Version 2.33.01-R01B - Apr 11 2002.
[PCI 4/2] ECC support enabled.
No Host Drive Found
0 drive(s) for BIOS
```

(14) Press <CTRL><G> During RAID Card POST and enter the new version Storcon utility

