## Updating the Intel BNU31 RAID controllers Firmware procedure (V1.0)

Follow the procedure below to update the firmware via XROM Storcon ( During POST)  $^{\circ}$ 

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 :



(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 :



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

Intel(R) Sto Copyr	prage Console Versin right (C) 2000-2001 Inte	on 2.02 – Oct 12 2001 1 Corporation
No. Name O SRCU31	Position Features [PCI 4/2] C 0 1 4 5	- Select Controller

(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.

1 Intel(R) Storage Console Version 2.02 Oct 12 2001 Copyright (C) 2000-2001 Intel Corporation				
Advanced Setup				
Configure Controller Configure Physical Devices				
Configure Array Drives				
epair Array Drives				
View Events Wiew Hard Disk Info				
ave Information F4: Express Setup -				
[PCI 4/2]: SRCU31, RAM 128 MB 1	SDRAM/ECC,	FW: 2.32.02-ROOF.	BIOS 6.05	

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

Intel(R) Storage Console Version 2.02 - Oct 12 2001 Copyright (C) 2000-2001 Intel Corporation			
Advanced Setup			
Co   ontroller Settings     Co   firmware Update     Co   ntelligent Fault Bus     Re   on-Intelligent Enclosures			
Vi eriodic Parity Verify			
emove Enclosure Config.			
R     R			

(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>.

Intel(R) Storage Console Copyright (C) 2000-2001	Version 2.02 - Oct 12 2001 Intel Corporation
Advanced Setup Configure ontroller Configure Controller Configure Controller Controller Settings Controller Settings	
Co In Re No Name Description A SRC_RXFW Firmware Fi Vi Periodic Parity Verify	Select Firmware File
Vi Sa Clear Log Buffer Remove Enclosure Config.	

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

Intel(R) Storage Console Version 2.02 - Oct 12 2001 Copyright (C) 2000-2001 Intel Corporation	
Advanced Setup	
Ko Inware opace   Ko In   Re No   No Name   Reading and checking firmware file.   Ad   SRC_RXFW   Please wait   I   Provide	
Vi Sa Clear Log Buffer Remove Enclosure Config.	

(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.

Intel(R) Storage Console Version 2.02 - Oct 12 2001 Copyright (C) 2000-2001 Intel Corporation				
Advanced Setup Configure Controller Configure Controller Configure Controller Configure Controller Controller Settings				
Co In Programming flash eproms. Ad SEC FXE DO NOT INTERRUPT THIS PROCEDURE IN ANY WAY   B				
Sa Clear Log Buffer Remove Enclosure Config.				

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

Intel(R) Storage Console Version 2.02 - Oct 12 2001 Copyright (C) 2000-2001 Intel Corporation	
Advanced Setup DEDEDEDEDEDEDEDEDEDEDEDEDEDE	
Configure Controller	
Correction Configure Controller	
Co Controller Settings	
Co Firmware Update	
Co In 🗖	
Re No   Firmware update completed.	
📕 🦰 🔏 You must reboot the system to activate the new firmware.	
Press any key.	
Peri Peri	
Sa Clear Log Buffer	
Kemove Enclosure Config.	
10/1 A/01- SD/1121 DAN- 100 ME SIDAM/2// EW- 0 20 00 DOOF DIGS & DS	لحالكالحالكا
[PCI 4/21- SPCIE] RAM- 128 MB SIRAM/RCC FW- 2 32 82-R00F BIBS- 6 85	يحالكانك

(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 Copyright (C) 1991–2002 by Intel Corporation	Version 6.08B 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	14: 0000
[FCI 4/2] SN UIEFU6AS - Firmware-FW-Version 2.33.01-RUIE - Apr [FCI 4/2] ECC support enabled. No Host Drive Found	11 2002.
O drive(s) for BIOS	

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

Intel(R) Co	Storage Console pyright (C) 200	Version 0-2002 Intel (	2.09 - Mar 21 20 Corporation	02
No. Name 0 SRCU31	Position [PCI 4/2]	Features C O 1 4 5 10 F10	Select Controller Firmware 2.33.01-R01B D: Toggle Colors ·	
		ID 1 4 PAID		