

LSI SAS2108 Controller Firmware Update Procedure

*** Firmware file Name: smc2108.rom *** Utility: MegaCLI.exe

Two methods to flash SAS2108 firmware

1. MegaCLI Utility

2. MegaRAID Storage Management Utility

<u>1. Using MegaCLI under DOS</u>

1) Boot from USB key and use following command or run SMC2108.bat file. C:\> Megacli -AdpFwFlash -f smc2108.rom -a0

ex) SAS2108 firmware flash via MegaCLI utility



ex) SAS2108 firmware flash via batch file (smc2108.bat file include above command)

C:\SAS2108>dir Volume in drive C is HO LEE Volume Serial Number is 543E-C63D Directory of C:\SAS2108 <DIR> 04-17-12 4:19p <DIR> 04-17-12 4:19p 8:46a MEGACLI EXE 753,664 04-11-12 RELEAS~1 TXT 451 05-02-12 10:59a SMC2108 BAT 428 05-02-12 11:12a 02-03-12 SMC2108 4,587,520 5:52p ROM 5,342,063 bytes 4 file(s) 1,655,635,968 bytes free 2 dir(s) C:\SAS2108>smc2108.bat_

LSI 2208 FW Flash Instruction

SUPERMICR•*

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2) Reboot the system and check firmware version in controller OPROM banner during boot and in MSM

LSI Megal Version 3 Copyrigh	RAID SA 3.24.00 t(c) 20	S-MFI BIOS (Build Oc 11 LSI Cor	tober 26, 2011) poration		
HA -0 (Bu Battery S	us 4 De Status:	v 0) Super Not prese	emicro SMC2108 ent		
PCI SLOT	ID LUN	VENDOR	PRODUCT	REVISION	CAPACITY
2 2 2	26 0 0	LSI ATA LSI	Supermicro SMC2108 ST3500320NS Virtual Drive		512MB 476940MB 475883MB

2. Using MegaRAID Storage Manager utility under OS

1) Open MSM, Right click on Supermicro SMC2108 controller to be updated and click Update Controller Firmware





2) Click Browse to search for new firmware

📱 Update Controller Firmware		×
	LSI	
Description : Updates controller firmware with a specified firmware image		
File Browse		
Ok Cancel		

3) Select the new SAS2108 controller firmware

🚣 Open						×
Look in:	📕 FW_2.120).243-1482		•	🏂 📂 🛄 🕯	
Recent Items	s mc2108.r	om				
Desktop						
My Documents						
Computer						
	File name:	smc2108.rom				Open
Network	Files of type:	Firmware Flash	Files(*.rom,*.fw,*.	.bin)	•	Cancel



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4) Click OK to continue

📰 Update Controller Firmware	×
	LSI ╠
Description : Updates controller firmware with a specified firmware image	
File V_2.120.243-1482\smc2108.rom Browse	
Ok Cancel	

5) Check the "Confirm" box and click OK to continue

📒 Updat	e Control	ller Firmware		×
			LSI	2.3
Descriptio	MegaRA	ID Storage Manager - 11.08.03.03	×	
Descriptio		Current firmware version: 2.120.53-1235		
		Warning: The current firmware version will be replaced with the selected	firmware!	
		Confirm Yes No		
		Ok Cancel		

*** Wait for around 1~2 minutes to complete



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6) Click OK once firmware update completed

📒 Update Controllei	Firmware	×
		LSI ╠
Description : Updates c	ontroller firmware with a specified firmware image	
	MegaRAID Storage Manager - 11.08.03.03 × You must reboot the system to bring the firmware in effect OK	
	Ok Cancel	

7) Reboot the system and check firmware version in controller OPROM banner during boot

LSI MegaRAID SAS-MFI BIOS Version 3.24.00 (Build October 26, 2011) Copyright(c) 2011 LSI Corporation					
HA –0 (Bus 4 De Battery Status:	v 0) Supern Not presen	micro SMC2108 nt			
PCI SLOT ID LUN	VENDOR	PRODUCT	REVISION	CAPACITY	
2	LSI	Supermicro SMC2108	2.120.243-148	512MB	
Z ZB U Z O 1 Virtual Drive	AIA LSI (s) found (ST3500320NS Virtual Drive on the host adapter.	SN06 Raido	476940MB 475883MB	



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8) Check firmware version using MSM in OS

MegaRAID Storage Manager - 11.08.03.03					- 8
Manage Go To Log Tools Help					
i 🛢 💁 🕗 📓 🕫 🕢					
Refresh					
				1 51	10-
				LJI	10
			Welcome: admini	strator [Full Access]	100.0
Dashboard Physical Logical			Welconie: Gamm	and de la meccasi	20010
WIN-816HNQ4R6MU	Properties				
E Supermicro SMC2108 (Bus 4,Dev 0)					
Group: 0, RAID 0	General:		Firmware Version	2.120.243-1482	
🗍 🚺 Virtual Drive: 0, 464.729 GB, Optimal	Product Name	Supermicro SMC2108	Firmware Build Time	Dec 28 2011 12:17:37	
Drives: Backplane, Slot: 4, SATA, 465,762 GB, Or	Serial No		Backend SAS Address 0	0x4433221104000000	
E 🔷 LSI Embedded MegaRAID (Bus 3,Dev 0)					
Unconfigured Drives Solar: 1 SAS 68 366 GB Unconfigured Good	Vendor 1D	0x1000	Backend SAS Address 1	uxu	
- Slot: 2, SAS, 68.366 GB, Unconfigured Good	SubVendor ID	0x15d9	Backend SAS Address 2	0x0	
Slot: 3, SAS, 68.366 GB, Unconfigured Good	Device ID	0x79	Backend SAS Address 3	0x0	
Slot: 5, SAS, 68.366 GB, Unconfigured Good	Device Port Count	8	Backend SAS Address 4	0x0	
	Host Interface	PCIE	Backend SAS Address 5	0x0	
	Metadata Size	512 MB	Backend SAS Address 6	0x0	