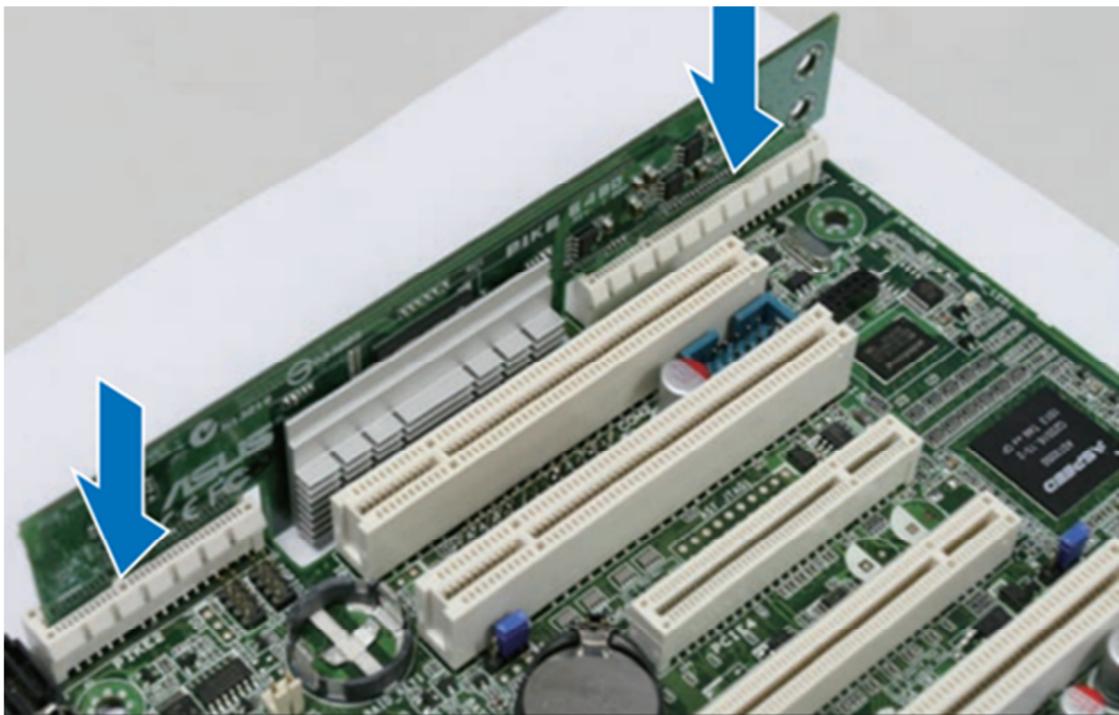


SOP of updating firmware for ASUS PIKE 2008/IMR.

1. Prepare an ASUS system/motherboard which supports PIKE and a DOS bootable USB drive.
2. Ensure that there are < 2GB Memory on your system.
3. Insert PIKE 2008/IMR to system/motherboard.



4. Turn on the system and boot to DOS.



5. Change directory to where update files locate. E.g., C:\PIKE

```
C:\>CD PIKE
C:\PIKE>_
```

6. Run FW.BAT by key-in "FW" and press [Enter].

```
C:\>CD PIKE
C:\PIKE>FW
```

7. Starts update process.

```

C:\>CD PIKE
C:\PIKE>FW
C:\PIKE>megacli -adpflash -f 20111135.rom -a0
DOS/32A -- Protected Mode Run-time Version 7.2
Copyright (C) Supernar Systems Ltd. 1996-2002
DOS/32A warning (9004): mouse initialization failed

Adapter 0: LSI MegaRAID ROMB
Vendor ID: 0x1000, Device ID: 0x0073

Package version on the controller: 20.10.1-0077
Package version of the image file: 20.11.1-0135
Download Completed
Flashing image to adapter...

```

8. The updating progress may take few minutes until you see "Exit Code: 0x00" which indicates update process completed.

```
C:\>CD PIKE
C:\PIKE>FW
C:\PIKE>megacli -adpflash -f 20111135.rom -a0
DOS/32A -- Protected Mode Run-time Version 7.2
Copyright (C) Supernar Systems, Ltd. 1996-2002
DOS/32A warning (9004): mouse initialization failed

Adapter 0: LSI MegaRAID ROMB
Vendor ID: 0x1000, Device ID: 0x0073

Package version on the controller: 20.10.1-0077
Package version of the image file: 20.11.1-0135
Download Completed.
Flashing image to adapter...
Adapter 0: Flash Completed.
Please reboot the system for the changes to take effect

Exit Code: 0x00
C:\PIKE>
```

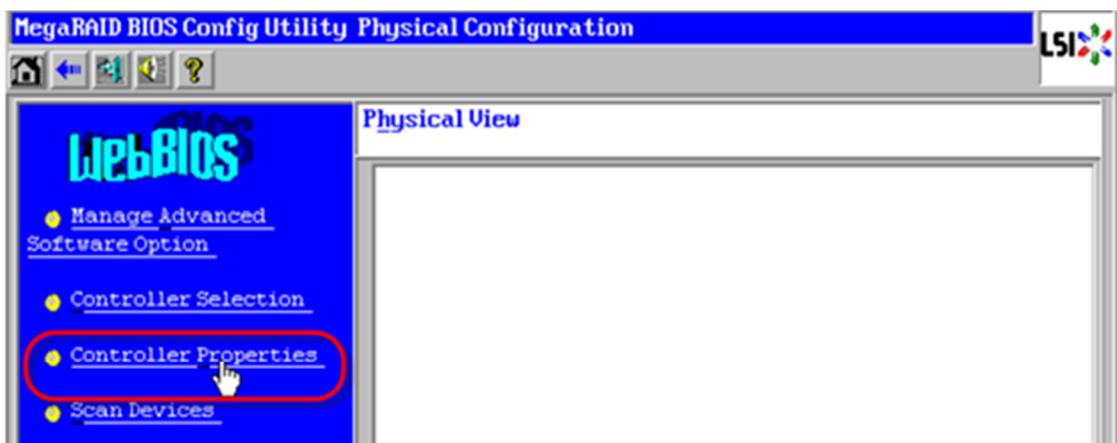
Firmware update success

9. Reboot system and enter LSI WebBIOS for checking.

Adapter No.	Bus No.	Device No.	Type	Firmware Version
0.	2	0	LSI MegaRAID SAS PCI Express ROMB	2.130.384-2166

Updated firmware version

10. If you missed the version information at the Adapter Selection, you can also check it by [Controller Properties] of LSI WebBIOS.



MegaRAID BIOS Config Utility Controller Information



LSI MegaRAID SAS PCI Express ROMB

Serial Number	None	FRU	None
SubVendorID	0x1043	Drive Security Capable	No
SubDeviceID	0x843b	PortCount	8
HostInterface	PCIE	NVRAMSize	32 KB
Firmware Version	2.130.384-2166	Memory Size	0 MB
FW Package Version	20.11.1-0135	Min Strip Size	8 KB
Firmware Time	Dec 27 2012;07:08:22	Max Strip Size	64 KB
WebBIOS Version	4.0-59-Rel	Virtual Drive Count	0
Drive Count	0		

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Exit RAID configuration utility