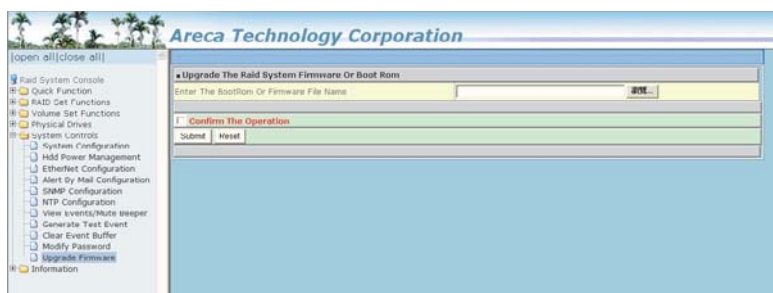


## APPENDIX

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### A-2 Upgrading Firmware Through McRAID Storage Manager

Get the new version firmware for your RAID storage. For example, download the bin file from your OEM's web site onto the C: drive.



1. To upgrade the RAID storage firmware, move the mouse cursor to "Upgrade Firmware" link. The "Upgrade The Raid System Firmware or Boot Rom" screen appears.
2. Click "Browse". Look in the location to which the Firmware upgrade software was downloaded. Select the file name and click "Open".
3. Tick on "Confirm The Operation" and press the "Submit" button.
4. The web browser begins to download the firmware binary to the controller and start to update the flash ROM.
5. After the firmware upgrade is complete, a bar indicator will show "Firmware Has Been Updated Successfully".
6. After the new firmware package completes downloading, find a chance to restart the controller/computer for the new firmware to take effect.

The web browser-based McRAID storage manager can be accessed through the in-band Thunderbolt port or out-of-band LAN port. The in-band method uses the ArchHTTP proxy server to launch the McRAID storage manager. The out-of-band method allows local or remote to access the McRAID storage manager from any standard internet browser via a LAN or WAN with no software or patches required.

## APPENDIX

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Controller with onboard LAN port, you can directly plug an Ethernet cable to the controller LAN port. After network connected, you can find the current IP address in the LCD panel.

From a remote pc, you can directly open a web browser and enter the IP address. Then enter user name and password to login and start your management. You can find the firmware update feature from the "Upgrade Firmware" option on the "System Controls".

### A-3 Upgrading Firmware Through CLI

This Command Line Interface (CLI) provides you to configure and manage the RAID storage components in Mac and Windows environment. The CLI is useful in environments where a graphical user interface (GUI) is not available. Through the CLI, you perform firmware upgrade that you can perform with the McRAID storage manager GUI. The controller has added protocol on the firmware for user to update the controller firmware package (BIOS, BOOT, FIRM and MBR0) through the CLI utility.

To update the controller firmware, follow the procedure below:

```
Parameter: <path=<PATH_OF_FIRMWARE_FILE>>  
Fn: Firmware Updating.  
Ex: Update Firmware And File Path Is In [C:\FW\ARC8050FIRM.BIN.]  
Command: sys updatefw path=c:\fw\arc8050firm.bin [Enter]
```