

How to flash an AMI BIOS using AFUDOS Utility

Advantech Irvine

Platform

AMI BIOS

Software

AFUDOS

Procedure

AMI BIOS Reflash Procedure:

1. Create a DOS bootable USB Flash Drive. Instructions can be found here:

- <http://www.bay-wolf.com/usbmestick.htm>

2. Unzip "xxxxxx.zip"

3. Copy all the unzipped files to the USB Flash Drive.

4. Power on the board and press **Delete** to enter the BIOS.

5. Change these settings if present: (save changes and reset to take affect)

Advanced -> CSM Configuration:

Boot option filter -> Legacy

Network -> Legacy

Video -> Legacy

Other PCI devices -> Legacy

6. Go to "**Save & Exit**", under "**Boot Override**" choose the DOS bootable USB to boot from.

7. At the DOS prompt, type **dir** to find the name of the BIN/ROM file in the directory.

8. At the prompt, type the bold command using the name in the directory:

- **example: Afudos XXXXXXXX.BIN /p /b /n /x**

9. When BIOS is updated completely, reboot the system.

10. Enter BIOS go to "**Save & Exit**" and select "**Restore Defaults**" to load optimized defaults.

11. Select "**Save Changes and Exit.**"

12. The board will then reboot with modified BIOS correctly loaded.

DOS will shorten the BIN/ROM file to 8 characters. Use the directory to make sure you use the right file name.

```
C:\>dir
Volume in drive C is DOSBOOT
Volume Serial Number is DCBC-47A5
Directory of C:\

XXXXXXXX BIN      16,777,216   08-08-17
                1 file(s)    16,777,216 bytes
                2 dir(s)    2,905 Mega bytes free
C:\>AFUDOS XXXXXXXX.BIN /p /b /n /x
```

Figure 1: DOS command prompt example