
SECTION 4.

BIOS/SOFTWARE UTILITY

4-1 Flash Utility MAXFLASH.EXE

This section tells you a step-by-step procedure on how to use the flash utility, "maxflash.exe", upgrade your mainboard BIOS.

To upgrade your motherboard BIOS, please follow the following:

1. For Win95 system, press F8 before Win95 boot-up, and select "Safe mode command prompt only".
For Non-Win95 system, boot-up the system into DOS prompt with a bootable floppy disk.
!!!DO NOT load any memory manager like EMM386.EXE, QEMM386.EXE under config.sys.!!!
2. Run **A:>maxflash biosfile.bin**
3. After loading the new BIOS code, the utility will prompt you to save original BIOS code into your HDD or floppy. Please press "Y" to store it as "BIOS.OLD".
4. After the old BIOS has been successfully saved, press "Y" to replace BIOS.
5. After the flashing process, reboot the system by turn off the power.
!!! DO NOT TURN OFF THE POWER DURING THE FLASHING PROCESS. !!!
6. Press "DEL" key to enter BIOS setup during POST. Reload the "BIOS SETUP DEFAULT" and reconfigure other items as your previous set
7. Then save and exit.

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4-2 BIOS Flash/Upgrade Protection

This mainboard supports BIOS Flash/Upgrade protection which allows you protect your system BIOS being flashed by flash utility. We suggest you use this feature with Password Setting in BIOS to prevent your BIOS being flashed by flash utility.

To active the BIOS Flash/Upgrade protection, follow the steps below:

1. When the system boot up at POST (Power On Self- Test), press key to enter BIOS Setup Utility.
 2. Set the "Flash/Upgrade BIOS" item in the "Integrated Peripherals" to Disabled.
 3. Save the changes and exit Setup Utility.
- , are so new, Win95 did not support them on Aug. of 1995

4-3 Remove Question Marks "?" in Win95 Device Manager

Since some of Intel 440LX/EX latest technologies, like

which is the moment Win'95 formal released.

To solve this problem, please use the Win95 patch utility
can find this utility in the bundled CD title.

For using this utility, run winp2x4.exe in the Win95 DOS prompt and refer the proper Windows directory for the updated files to be copied.

4-4 Install Bus Master IDE (Ultra DMA/33) Driver

The Bus Master IDE (Ultra DMA/33) driver is available in the bundled CD title. You may run setup.exe directly to install the driver.

After installation, you will see following devices under Win95 Device Manager:

--- Hard Disk Controllers

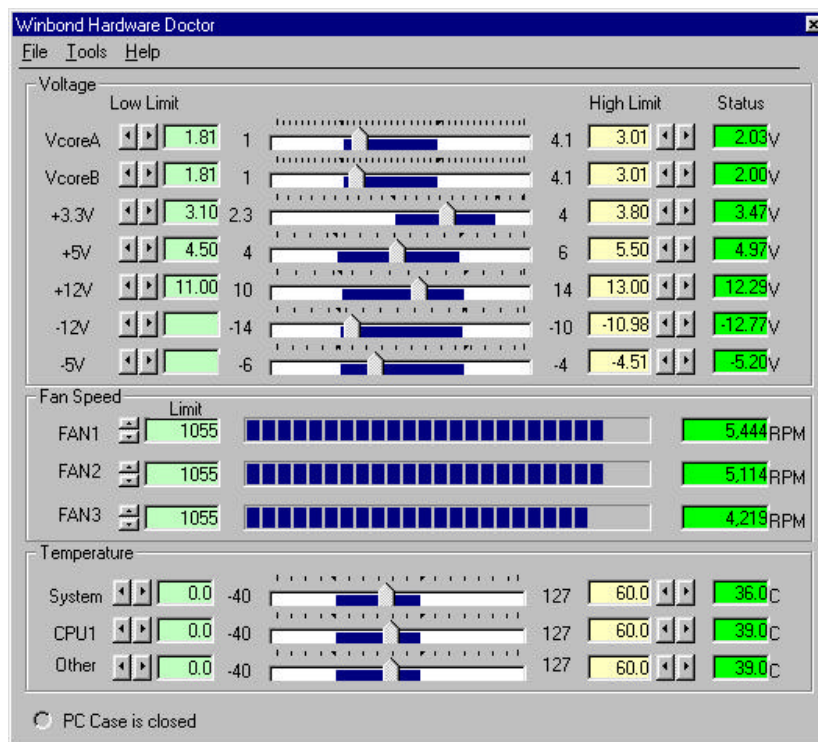
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Intel 82371AB PCI Bus Master IDE Controller
Primary Bus Master IDE Controller
Secondary Bus Master IDE Controller

4-5 Hardware Monitor (Optional)

If your mainboard supports hardware monitor function, the hardware monitor utility is available in the bundled CD title. You may run setup.exe directly to install the driver.

After installation, you will see following screen if the program is active. Set the suggested low/high limit of system voltage, fan speed and temperature to monitor your system operating status.



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Voltage

- | | |
|------------------|---|
| 1. VcoreA | CPU1 Voltage
Suggested Low-High Limit: 1.81 to 3.01V |
| 2. VcoreB | CPU2 Voltage
Suggested Low-High Limit: 1.81 to 3.01V |
| 3. +3.3V | +3.3V System Voltage
Suggested Low-High Limit: 3.10 to 3.80V |
| 4. +5V | +5V System Voltage
Suggested Low-High Limit: 4.50 to 5.50V |
| 5. +12V | +12V System Voltage
Suggested Low-High Limit: 11.0 to 13.0V |
| 6. -12V | -12V System Voltage
Suggested Low-High Limit: N/A to -10.98.0V |
| 7. -5V | -5V System Voltage
Suggested Low-High Limit: N/A to |

Fan Speed

- | | |
|----------------|---|
| 1. FAN1 | CPU1 Fan Speed
Suggested Limit: 1055RPM |
| 2. FAN2 | CPU2 Fan Speed
Suggested Limit: 1055RPM |
| 3. FAN3 | CHASSIS Fan Speed
Suggested Limit: 1055RPM |

Temperature

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- | | |
|------------------|--|
| 1. System | System Temperature
Suggested Low-High Limit: 0.0 to 60.0C |
| 2. CPU1 | CPU1 Temperature
Suggested Low-High Limit: 0.0 to 60.0C |
| 3. Other | CPU2 Temperature
Suggested Low-High Limit: 0.0 to 60.0C |

If any of the item is abnormal working or over the suggested low/high limit, there will be a "Warning Message" like below to warn user.

