

## Software Utilities

The mainboard comes with helpful supporting software utilities CD-ROM that contains software utilities and information to promote your system performance. This chapter introduces each of them with the detail installation procedures.

### Starting Installation

Play your CD-ROM disk to start software installation. The following display will appear on your monitor screen. **If LANDesk Client Manager (LDCM) software is included (optional). Start to run it first.** Start each of them by clicking on the wanted software of the main menu.

### LANDesk Client Manager (optional)

The LDCM software must be installed in order to use the hardware manager. **AMD and Cyrix CPUs cannot be detected by the LDCM.**

### Three Options of LDCM Setup

**LDCM Local Setup:** Install software to monitor the *local* system. (**Recommended**) Settings can be auto-detected or changed. The installation of it is straight forward. First select *LDCM Local Setup in the main menu*, then all the way down to the end of the installation. Reboot the system.

**LDCM Administrator Setup:** Installs software to monitor PC systems on the network within the same bridge address with Local software installed. The installation of it is straight forward. First select *LDCM Administrator Setup in the main menu*, then all the way down to the end of the installation. Reboot the system. The administrator should install both Local and Administrator Software. (First install *Local Setup*, then install *Administrator Setup*.)

**LDCM Custom Setup:** (For *Experienced* Users). Please read the following information.

1. Choose *File / New* from the pull-down menu of the "Untitled" screen.  
Enter a system name.
2. Make the appropriate settings on the right-hand side.

I<sup>2</sup>C and Network should not be modified. Currently only ATI Video cards can be monitored by LDCM, do not select Video ATI if using other video cards.

3. Choose *LM78* from the pull-down menu. Change *Chassis Fan* to *CPU FAN*, *CPU A Fan* to *Chassis Fan*, *CPU B Fan* to *No Fan*. Change the *Threshold RPM* to *1,800 RPM*. Change the *Threshold RPM Min* to *1,320 RPM*.

4. Click *Save* button to save settings and exit.

5. Choose *File/Save* from pull-down menu, enter a file name, click *Save*.

6. Exit the program screen.

7. Run *SETUP.EXE* and choose the system configuration file that just created.

**NOTE :**

1. System will hang if you click the "Workstation Summary" or "Drives" Icon when a floppy drive is not installed. For a faster response, insert a floppy diskette before choosing this function.

2. When you setup Administrator LDCM, the LDCM only displays half the actual fan RPM. Multiply the displayed fan RPM by 2 for the actual fan RPM.

3. Chassis Fan and CPU Fan RPM must be at least 2,640 RPM to be monitored by the LDCM.

4. Fan labels are not consistent, use this table for reference:

PC Health	LDCM Notification Config.	BIOS/Mainboard
-----	-----	-----
CPU Fan	CPU Fan	CPU_FAN
Chassis Fan	Chassis Fan	Chassis_FAN
No Fan	No Fan	No

5. LDCM currently can only detect ATI video cards, choose *Non-ATI* in *Local Setup*; otherwise, a one-time message will show (Error [1] retrieving Mach64 attributes). You may ignore this message by clicking the *OK* button.

6. The administrator LDCM cannot cross a network bridge to other workgroups.

7. The COM port that is in use will not show up in "Input/Output Ports."

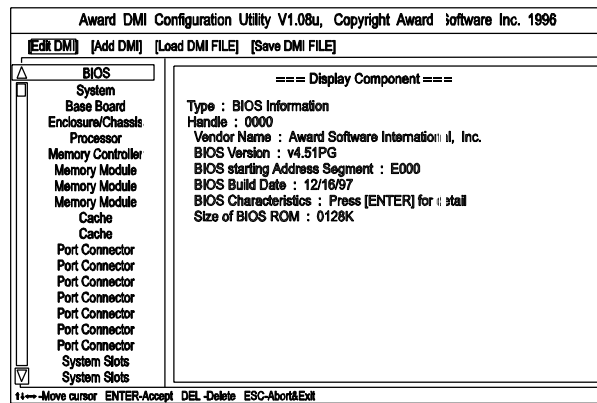
8. LDCM Administrator installation requires a network card; otherwise, the administrator features will run very slowly.

9. Mouse (Pointer) information will not be shown when there is mouse activity after *Workstation Summary* is selected in Windows NT.

## Desktop Management Interface (DMI)

### Starting DMI

1. Format a bootable system diskette, copy the DMICFG.EXE and README.TXT from the CD-ROM to the diskette.
2. Exit the current system.
3. Reboot the system by using this bootable system diskette to enter Real mode.
4. After the DOS prompt, type *DMICFG* and press *Enter* key. The display below will appear on the monitor screen.



**Editing DMI:** A menu like the figure above appears in your monitor. It provides record data about your computer system. The feature allows you to select editable DMI items by pressing arrow keys. The button *Press [ENTER] for detail* will pop up a sub menu. Use “+,” “-” keys to change configurations. Press *Esc* key to abort the configuration and exit. Press *Enter* key to save and exit. The screen field under *Show Only Component* means that the items are automatically detected by BIOS. The screen menu leading by *Edit Component* indicates the items under it are allowed to be changed by users.

**Adding DMI:** This menu allows users to add new information such as Manufacturer Name, Product Name.

**Loading DMI:** If users need the old DMI information, use this feature to load the DMI information.

**Saving DMI:** If users need to keep the DMI information that just changed, use this feature to save the DMI information.

## IDE Bus Master Driver

The mainboard package provides Bus Master IDE Driver in the software utility CD-ROM for Windows 95 and Windows NT to improve the system performance. Please read the relating README files first before install it. This mainboard supports Ultra DMA/33, but Windows 95 does not recognize it. When the operating system detects the board and the IDE Bus Master Driver not installed, information in the circle like the display below indicates the system will treat it as a standard dual PCI IDE controller. It cannot take advantage of the Ultra DMA. (The attached peripheral devices must support UDMA.)

The installation is straight forward by clicking on *IDE Bus Master* item of the main menu. There is no option to be selected while the installation procedure goes. After the installation, the system should be rebooted.

## Patch for Chipset

The mainboard package provides INF update software in the software utility CD-ROM. Before you run the SETUP file, please read the relating README file first. This software is necessary for the operating system to recognize the onboard chipset; otherwise, the question marks in the circle will appear in your Window 95 environment. The installation is straight forward by clicking on *Patch for Chipset* item of the main menu. There is no option to be selected while the installation procedure goes. Finally, the system should be rebooted.

## BIOS Flash Software

The mainboard package provides BIOS flash software tool in the software utility CD-ROM. This software feature is provided for upgrading BIOS use. Play the CD-ROM, click on *Browse CD*, select *Flash*, then choose the BIOS vendor that provided the BIOS this board came with. Please print the relating README file and read it first. For more information about, please visit FIC Online at [www.fic.com.tw](http://www.fic.com.tw).

## Downloading BIOS File

Format a bootable system diskette, visit the FIC website at [www.fic.com.tw](http://www.fic.com.tw). Click *BIOS/Drivers Update* item under **BIOS** group, then select the BIOS file you need. Download it to your bootable diskette.

## Upgrading BIOS File

Place the bootable diskette containing the BIOS file in the diskette drive (Assume the diskette drive is A.), and reboot the system by A drive. At the A: > prompt, execute the BIOS upgrading procedure by entering the Flash BIOS utility and the BIOS file with its extension.

*Command: {flash tool file}{space}{downloaded BIOS file} <Enter>*

The other parameters are listed in the relating README file, please read it if need.

After press *Enter* key, type Y to the message **Press “Y” to Continue, “N” to Reboot**. Press *Enter* key. When the message **Press Any Key to Reboot**, the procedure is completed. Press any key to reboot.

<b>WARNING</b> : Do not turn off or reset the computer during the flash process.
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## Loading New BIOS Defaults

Once the BIOS has been flashed successfully,

1. remove the diskette and reboot the system.
2. Press *Delete* key while system booting-up to enter **Load Optimal Settings** menu
3. Select **Exit Saving Changes** to complete the whole process.

## Anti-Virus Tool

The mainboard package provides optional virus scan tool, PC-cillin '95 Virus Scanner for the Windows 95 environment, in the software utility CD-ROM. This tool allows you to perform virus scan and cure when it is necessary. Please read the relating README file first before installing it.

## Hardware Requirements

PC-cillin '95 Virus Scanner is fully compliant with Windows 95. The requirements to use PC-cillin '95 Virus Scanner is as follows:

### ***Hardware requirements:***

Minimum: Intel 54C CPU (100MHz or above) with 8MB (or above) RAM.

The total disk space requirement to install PC-cillin '95 Virus Scanner is approximately 4.0 MB.

## Technical Notes

PC-cillin '95 Virus Scanner will be installed to the program group "PC-cillin '95 Virus Scanner" by default. The PCCWIN95.EXE command will be added to the Startup group, and the AUTOEXEC.BAT will be modified to add PCSCAN commands to fully protect your system from computer viruses at system boot up.

Please read the relating README file for more detail information.