Chapter 4

3Dfx VOODOO3-2000

1. Overview

The Voodoo3-2000 is a highly integrated graphics controller. Incorporated within this single chip are the 2D, 3D, and video accelerators, palette DAC, and dual-clock synthesizer.

1.1 Voodoo3-2000

- Support 8M or 16M SGRAM up to 143MHz
- Support AGP 2X BUS
- 2D & 3D Acceleration

1.2 System Requirements

This section describes system requirements for the VGA Driver installation and Usage.

Computer	Intel® Pentium® II processor or higher
Monitor	VGA Support, mimimum 640x480 resolution
Operating system	DOS 5.0 or higher, Windows® 95/98, Windows® NT 3.51 or 4.0, or OS/2®
CD-ROM	Double Speed or Higher
Chipset	3Dfx Voodoo3
VGA BIOS	Version 1.00.01-SG or Higher

2. Voodoo3-2000 Driver Setup & Usage Procedures

Insert the CD-title into your CD-ROM drive. This CD will auto-run. This will display installation for VGA driver and sound driver.   Also included are Intel® PIIX4E patch for Windows® 95, Trend PC-cillin 98 and Bus Master driver. Just click the button for automatic installation for VGA driver.

2.1 Windows® 95/98

If you start Windows® 95/98, this will automatically detect this hardware onboard "PCI Multimedia Audio Device" and "Gameport Joystick". You need to click "Next", then "Finish". Do not click on the "Cancel". The driver need these ID.

2.1-1 Display Driver Installation Procedure:
Step 1:   Insert the provided CD_ROM disk into the CD-ROM drive.
Step 2:   Look for the CD_ROM drive, double click on the CD_ROM icon. This will show the setup screen.
Step 3:   Click on "ATI Installation" icon.
Step 4:   This will show an ATI installation menu.
Step 5:   Click on "Display Drivers".
Step 6:   Click "OK".
Step 7:   This will copy the VGA drivers into the hard drive.
Step 8:   A message will appear stating you must restart the Windows® 95/98 system, select **yes** to restart.
Step 9:   After restarting, Windows® 95/98 will show a new display setting.

2.2 Windows® NT 4.0

You need to install Windows® NT "Service Pack", before you install Windows® NT driver.

2.2-1 Display Driver Installation Procedure:
Step 1:   Click **Start** menu and select **Control Panel** from **Settings** group.
Step 2:   Select **Display** icon.
Step 3:   Select **Settings** on the Display Properties.
Step 4:   Select **Display Type**.
Step 5:   Select **Change** from the **Adapter Type** Area.
Step 6:   Select **Have Disk** of Change Display.
Step 7:   Insert the **CD-Title Disk** into CD-ROM Drive.
Step 8:   When the Install from Disk dialog box appears, look for your CD-ROM drive :**\3Dfx\VooDoo3\Nt4\VooDoo3.inf**
Step 9:   When the **Change Display** dialog box appears, click **OK**.
Step 10: When the Third-party Drivers dialog box appears, click **Yes.**
A message will appear stating that the drivers were succesfully installed. Click OK. You must now restart Windows® NT 4.0.

2.2-2 Changing resolution, color depth, and refresh rate:
Step 1: Click **Start** menu and select **Control Panel** from **Settings**
             group.
Step 2: Select **Display** icon.
Step 3: Select **Settings**.
Step 4: Select Color Palette to change between 16 color, 256 color,
             32768 colors, 65536 colors, and 16777216 colors.
Step 5: To select desktop resolution size, go to the Desktop area
             and use the slide bar to change resolution from 640x480,
             800x600, 1024x768, to 1280x1024.
Step 6: Select Test to test the resolution. If the display test screen
             was good, then select Yes when the Testing Mode dialog
             box appears. If the display test screen was bad, then select
             No. Windows® NT will give you an error message.
Step 7: Click OK. If the display test screen was good and you
             select Yes, Windows® NT 4.0 will change the mode without
             restarting the system.

**2.3 AutoCAD, OS/2 and other application. Please refer
to "On-Line Manual" in the CD-ROM. You need to
install the "Acrobat Reader 3.01" program first.**