

## **Chapter 5**

### **nVIDIA RIVA™ TNT2 M64 Graphics Accelerator**

#### **1. Overview**

The nVIDIA RIVA™ TNT2 M64 Graphics Accelerator is a second-generation 128-bit Twin Texel, 3D/2D graphics processor. It delivers breakthrough 3D and 2D performance. In addition to its outstanding performances, it also provides complete support for video, software, and hardware DVD playback.

##### **1.1 General Features**

- Optimized for Direct3D acceleration with complete support for DirectX 5.0 and 6.0
- High performance 128-bit 2D/GUI/DirectDraw Acceleration
- Video acceleration for DirectShow™, MPEG-1, MPEG-2 and Indeo®
- 300MHz Palette-DAC

## **1.2 System Requirements**

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

<b>Computer</b>	Intel Pentium® processor, Intel Pentium® II/III processor or compatible system
<b>Expansion Slot</b>	AGP slot
<b>Monitor</b>	VGA Support, minimum 640x480 resolution
<b>Operating system</b>	Windows® 95/98, Windows® NT 4.0.
<b>CD-ROM</b>	Double Speed or Higher

## **2. nVIDIA RIVA™ TNT2 M64 VGA Driver Setup**

### **2.1 Windows® 95/98**

After installing the VGA driver into the mainboard, Windows® 95/98 will auto-detect changes in your hardware configuration; this will install the Standard VGA Driver. To get the maximum performance, you need to install the nVIDIA RIVA™ TNT2 M64 VGA driver.

---

**Note:** Before installing the VGA driver, you need to install the Windows® 95 OSR2 USB supplement to support the AGP function. Windows® 98 need not install this.

---

#### **2.1-1 Display Driver Installation Procedure:**

- Step 1:** Insert the CD\_Title provided into your CD-ROM drive.
- Step 2:** After inserting the CD\_Title, this will autorun showing the setup screen.
- Step 3:** Click on Install VGA Drivers button.
- Step 4:** Click on the OK button. This will copy the necessary files into the hard drive.
- Step 5:** Choose OK, to restart the computer now.

---

**Note:** It is recommended that you restart your computer after every installation of a new driver to prevent any technical problems.

---

## **2.2 Windows® NT 4.0**

**You need to install Windows® NT “Service Pack 3” or higher, before you install Windows® NT driver.**

### **2.2-1 Display Driver Installation Procedure:**

- Step 1:** Insert the CD\_Title provided into your CD-ROM drive.
- Step 2:** After inserting the CD\_Title, this will autorun showing the setup screen.
- Step 3:** Click on Install VGA Drivers button.
- Step 4:** Click on the Next button. This will copy the necessary files into the hard drive.
- Step 5:** Choose Yes, I want to restart my computer now.
- Step 6:** Click on the Finish button.

---

**Note:** It is recommended that you restart your computer after every installation of a new driver to prevent any technical problems.

---

**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 256 color, 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, 1152x864, 1280x1024, to 1600x1200.
- 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.**