

Chapter 4

nVIDIA TNT2 M64 VGA DRIVER

1. Overview

The nVIDIA TNT2 M64 is a highly integrated graphics controller. Incorporated within this single chip are the 2D, 3D, and video accelerators, palette DAC, and dual-clock synthesizer. This multi-function integrated controller delivers TV-quality scaled video optimized for MPEG playback, industry-leading mach64 2D performance.

1.1 nVIDIA TNT2 M64

- Support 32M SDRAM for 143MHz.
- Support AGP 2X BUS.
- 2D & 3D Acceleration
- Integrated DVD and superior MPEG-2

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, minimum 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	nVIDIA TNT2 M64
VGA BIOS	Version 1.01 or Higher

2. nVIDIA TNT2 M64 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 “nVIDIA VGA Driver” button.

Step 4: Click “OK”.

Step 5: This will copy the VGA drivers into the hard drive.

Step 6: A message will appear stating you must restart the Windows® 95/98 system, select **yes** to restart.

Step 7: After restarting, Windows® 95/98 will show a new display setting.

2.1-2 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, Hi color, or True color.
- Step 5:** Select desktop resolution from 640x480, 800x600, 1024x768, and 1280x1024.
- Step 6:** Select Refresh rate list box to change the screen refresh rate.
- Step 7:** Click OK or Apply.

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: 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 “nVIDIA VGA Driver” button.

Step 4: Click “OK”.

Step 5: This will copy the VGA drivers into the hard drive.

Step 6: A message will appear stating you must restart the Windows® NT system, select **yes** to restart.

Step 7: After restarting, Windows® NT will show a new display setting.

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.