

## Introduction

Thank you for choosing the **AOpen PT80** Graphics & Video Accelerator. **AOpen PT80** is a state-of-art video adapter that provides you with fast acceleration in both 2D/3D graphics and high quality scalable video playback. Especially, **AOpen PT80** will offer enhanced features and fully support **3D Gaming** and **Multimedia Applications**.

### Item Checklist

- AOpen PT80 VGA Card
- AOpen Driver & Utility CD
- AOpen Mega Game Pack CD ( Option )

### Features

- ◆ SiS6326 3D Graphics and Video Accelerator
- ◆ 8MB or 4MB Video Memory Onboard
- ◆ Windows 95/98/NT Direct3D and DirectDraw Acceleration
- ◆ 128-bit with dual rendering pipelines
- ◆ 5M triangles/sec peak
- ◆ 125M pixels/sec trilinear fill rate
- ◆ Enhanced 128-bit 2D graphics engine
- ◆ Flash ROM Programmable for BIOS Upgrade
- ◆ Up to 1024x768 32bit Color in 3D and 1280x1024 16bit Color in 2D
- ◆ On Chip Hardware IDCT and Motion Compensation for Software MPEG-II Playback
- ◆ Optional High Quality TV Signal for NTSC/PAL
- ◆ User-Friendly Installation for Win95/Win98/NT
- ◆ Full Advanced 3D Enhancements
  - Triangle Setup Engine
  - Flat and Gouraud Shading
  - MIP-Mapping with Bilinear Filtering
  - Color Alpha Blending for Transparency
  - Real Time Text Paging and Video Texturing
  - Fogging and Atmospheric Effects
  - Specular Lighting
  - Edge Anti-Aliasing
  - Stippling or "Screen Door" Transparency
  - Backface Culling

### Driver Support

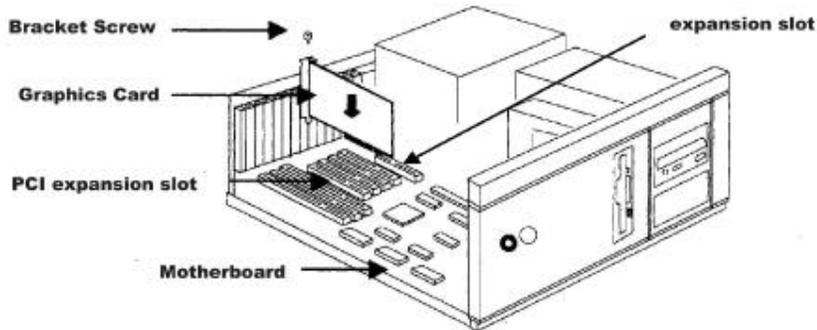
- ◆ Windows 95 OSR2.1/98
- ◆ Windows NT 4.0/5.0
- ◆ Direct 3D, DirectDraw and DirectX

## Hardware Installation

### Prepare Your Computer for Installation

Prior to working on your computer, make sure the power and any related equipment is turned off.

### How to Insert Your AOpen PT80 Graphics Card



### Installation Procedures

#### ◆ For The First Time Installation

1. Locate bus expansion slot. Make sure the slot is unobstructed.
2. Remove the corresponding expansion slot cover from the computer chassis.
3. Position the card directly over the slot and insert one end of the card down into the slot. Be sure the metal contacts on the bottom of the host adapter are securely seated in the slot.
4. Connect your analog monitor's 15-pin VGA connector to the card and fasten the retaining screws (if any).
5. Connect other cables and devices if available.
6. Now you are ready to install the software drivers and utilities.

#### ◆ For Systems with Existing VGA Card

1. Change your display driver to Standard VGA.
2. Shut down your computer and unplug all electrical cords.
3. Replace the existing VGA card with the PT80 graphics card.
4. Restart your computer and install the PT80 display driver.

## Windows 95/98

### Caution:

- Before installing the display driver, make sure your Windows 95/98 is installed in **VGA mode** and work fine.
- To take advantage of all the features, please use **Win95 OSR2.1** or **Win98**. Otherwise, you can use OSR2.0 and install the **USBSUPP.EXE** from Microsoft (<http://www.microsoft.com>) to upgrade to OSR2.1.
- **D:** present the drive containing the installation CD.

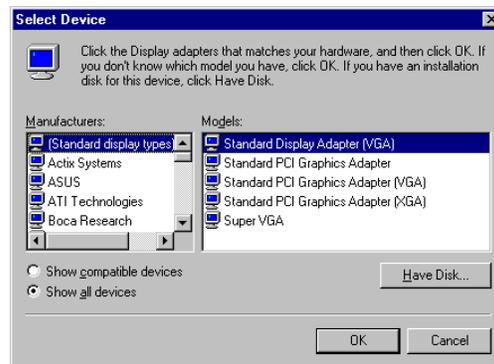
### Setup VGA Mode (for First Time Installation)

1. Start Windows 95/98.
2. **Update Device Driver Wizard** dialog will appear and detect **Standard PCI Graphic Adapter (VGA)**. Click **Next** to let Windows search driver.
3. Click **Finish** to install the VGA driver. If the Windows ask you for your Windows 95 CD, insert the CD or change the path to **\Windows\System** directory. Windows will prompt you to restart your Windows. Choose **No** and follow the steps on the next page.



### Setup VGA Mode (for Upgrading)

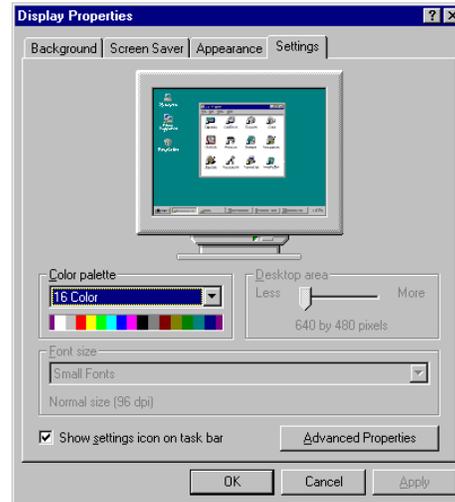
1. Follow Setup VGA Driver steps 1~3.
2. When the **Select Device** dialog box appears on screen, select **Show all devices** item to show all VGA devices.
3. Select **Standard display types** from the manufacturers and select **Standard Display Adapter (VGA)** from the Models then click **OK** button.
4. After you complete installing Standard VGA driver, click **Close** button and restart Windows to enable the VGA driver.



## Windows 95/98

### Setup VGA Driver (Manual Setup)

1. Start Win95/98 and insert the Installation CD.
2. Click mouse right button on the desktop and select **Properties** from the pop-up menu, or double-click on the **Display** icon from the **Control Panel** folder.
3. Select **Settings->Advanced Properties** for Win95 or select **Settings->Advanced** for Win98, and then click **Change** button.



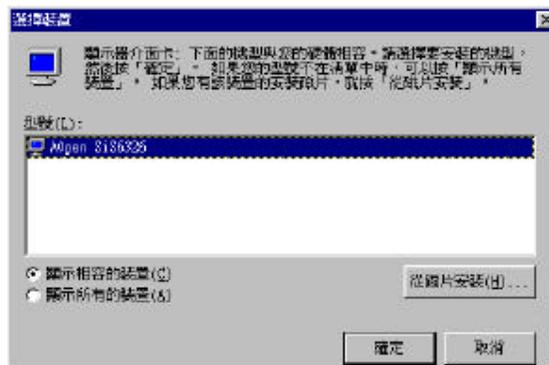
4. In Win95/98, the Update Device Driver Wizard dialog box will appear, please click **Next** button and follow the instruction on screen to install.



5. When the Select Device dialog box appears on screen, click **Have Disk** button and enter **D:\Driver\WIN9x** then click **OK**.



6. Select the **AOpen PT80** then click **OK**.
7. After you complete installing display driver, click **Close** button and restart Windows to enable display driver.



## Windows 95/98

### Setup VGA Driver (Auto Setup)

1. Insert the Installation CD, the **AOpen Installation Wizard** will appear. You can also run **D:\Setup.exe** to launch it. Please click **VGA Driver** to next step.
2. Click **Yes** when the **Confirm Setup** dialog box appears.
3. After you complete installing AOpen PT80 driver, click **Close** button and restart Windows to enable AOpen PT80 driver.



### Setup DirectX 6

1. Insert the installation CD, the **AOpen Installation Wizard** will appear. You can also run **D:\Setup.exe** to launch it. Please click **DirectX 6** to enter DirectX 6 setup program.
2. After you complete installing DirectX 6, please restart Windows to enable the DirectX 6 driver.

### Setup SoftMpeg

Insert the installation CD, the **AOpen Installation Wizard** will appear. You can also run **D:\Setup.exe** to launch it. Please click **SoftMpeg** to enter SoftMpeg setup program.

## Special Notes

### Trouble Shooting

**Problem :** If system always finds new VGA hardware when you finish installing VGA driver & restart the Windows, it might be due to wrong version of Windows 95.

**Solution :** If your Windows version is OSR2.0, follow below steps to upgrade your Windows:

1. Restart Windows OSR2.0.
2. Run **usbsupp.exe** to upgrade to OSR2.1. You can find this file on MSDN or Microsoft web site.
3. Restart Windows to install VGA driver again.

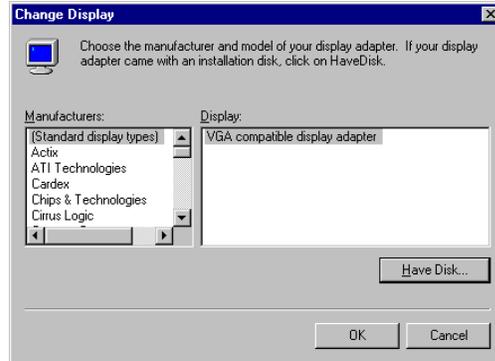
## Windows NT 4.0

### Caution:

- Before installing the Display driver, make sure your Windows NT is installed in **VGA mode** and work fine.
- Please install the **Windows NT 4.0 service pack 3** before installing the video driver. Otherwise, the system may cause setup failed and won't be able to start up.
- **D:** present the drive containing the installation CD.

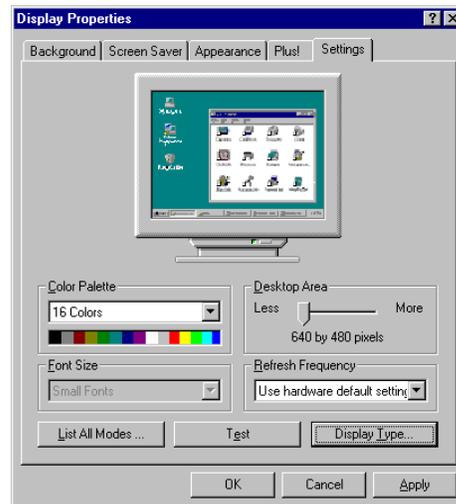
### Setup VGA Mode

1. Follow Setup Driver steps 1~3.
2. When the Select Device dialog box appears on screen, select **Show all devices** item to show all VGA devices.
3. Select **Standard display types** from the manufacturers and select **VGA compatible display adapter** from the Display then click **OK** button.
4. After you complete installing Standard VGA driver, click **Close** button and restart Windows to enable the VGA driver.



### Setup VGA Driver (Manual Setup)

1. Start NT and insert the Installation CD into the CD-ROM drive.
2. Click mouse right button on the desktop and select **Properties** from the pop-up menu, or double-click **Display** icon from the **Control Panel** folder.
3. Select **Settings->Display Type** and then click **Change** button.



## Windows NT 4.0

4. When the Change Display dialog box appears on screen, click **Have Disk** button and enter **D:\Driver\WinNT** then click **OK**. Select the **AOpen PT80 Video Accelerator** then click **OK**.



5. After you complete installing display driver, click **Close** button and restart Windows to enable the display driver.



## FCC Class B Radio Frequency Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/television technician for help.

**Notice 1:**

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Notice 2:**

Shielded interface cables must be used in order to comply with the emission limits.