

## **Chapter 5**

# **INTEL® 815 INTEGRATED GRAPHICS CONTROLLER**

## **5.1 Overview**

The Intel® 815 Chipset extends Intel's graphics capabilities into the value PC segment by incorporating 2D and 3D capabilities with the memory controller, to provide the industry with complete graphics offerings for every computing segment.

### **5.1.1 Intel® 815 Chipset**

- Support 4MB Display Cache on AIMM card
- Support AGP 4X BUS
- 2D & 3D Graphics Accelerator

### 5.1.2 System Requirements

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

<b>Computer</b>	Intel® Celeron™/ Pentium® III (FC-PGA) processor or higher
<b>Monitor</b>	VGA Support, minimum 640x480 resolution
<b>Operating system</b>	DOS 5.0 or higher, Windows® 95/98, Windows® NT 3.51 or 4.0, or OS/2®
<b>CD-ROM</b>	Double Speed or Higher
<b>Chipset</b>	Intel® 815 chipset
<b>VGA BIOS</b>	Version 00.23 or Higher

## 5.2 Intel® 815 VGA 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, Intel 815 INF Update (only for Windows 95/98) and Trend PC-cillin 98. Just click the button for automatic installation for VGA driver.

### 5.2.1 Windows® 95/98

If you start Windows® 95/98, this will automatically detect this hardware onboard “Standard PCI Graphics Adapter (VGA)”. You need to click “Next”, then “Finish”. Do not click on the “Cancel”. The driver need these ID.

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**Note:** Before installing the Intel 815 VGA Driver, you need to install the Intel 815 INF update first.

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#### 5.2.1-1 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 “Intel 815 VGA Driver” icon.

**Step 4:** This will show an 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.

### 5.2.2 Windows® NT 4.0

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

#### **5.2.2-1 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 :**\\SVGA\\Intel\\815\\NT4\\WINNT4**
- 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 successfully installed. Click **OK**. You must now restart Windows® NT 4.0.

**Note:** You can also use CD autorun to install the VGA NT driver.

**5.2.2-2 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.

**5.2.3 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.**