VIDEO GRAPHICS ACCELERATOR

QUICK INSTALLATION GUIDE

for MEDION

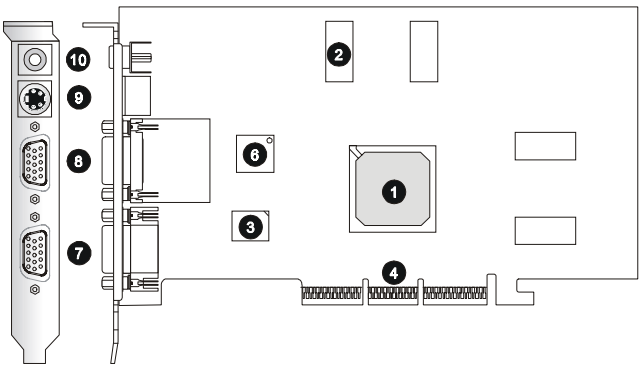
GeForce4-8XTi4200

CONTENTS

1 Card Information

1.1 GeForce4-8XTi4200

Layout



1. nVIDIA GeForce4 Ti4200 8X GPU
2. 128MB DDR RAM
3. VGA Flash-BIOS
4. AGP Interface
5. Fan connector
6. Video Encoder / Decoder
7. VGA port 1
8. VGA port 2
9. TV_Out connector (S)
10. TV_Out connector (C)

Features

Performance

- The nVIDIA nfiniteFX™ II Engine enable a virtually infinite number of special effects that deliver the next leap in realism to 3D graphics
- Dual programmable Vertex Shaders
- Advanced programmable Pixel Shaders
- nVIDIA Lightspeed Memory Architecture™ II
- nVIDIA Accuview™ Antialiasing
- 3D Textures
- Shadow Buffers
- 4 dual-rendering pipelines
- 8 texels per clock cycle
- Dual cube environment mapping
- High-Definition Video Processor (HDVP)
- AGP with Fast Writes
- AGP 8X / 4X and AGP Texturing support

Features

- 32-bit color with 32-bit Z/stencil buffer
- Z-correct true, reflective bump mapping
- High-performance 2D rendering engine
- Hardware accelerated real-time shadows
- True-color hardware cursor
- Integrated hardware transform engine
- Integrated hardware lighting engine
- High-quality HDTV/DVD playback
- TV-Out and Video Modules
- Multibuffering (double, triple, quad) for smooth animation and video playback
- Microsoft DirectX® and S3TC® texture compression
- nVIDIA Unified Driver Architecture (UDA)
- Up to 8.0 GB/sec. memory bandwidth
- 113 million vertices/sec.
- 4.0 billion AA sample/sec. fill rate
- 1.03 trillion operations/sec.

Compatibility

- Microsoft DirectX® optimizations and support
- Complete OpenGL® 1.3 and OpenGL® support
- WHQL-certified Windows® XP/2000/NT/ME/98/95
  - Windows® XP/2000/NT/ME/98/95 display drivers
  - Microsoft DirectDraw®, Direct3D®, DirectVideo® and DirectActiveX® drivers
  - OpenGL® ICD for Windows® XP/2000/NT/98/95
  - Fully P00, PC99 and PC99a compliant
- Support operation system under Windows® XP/2000/NT/ME/98/95
- API support
- OpenGL® 1.3 and lower
- Microsoft DirectX® 8.1 and lower

Supports Super High Resolution Graphics Modes

▪ 640x480	8/16/32 bit colors with 150Hz
▪ 800x600	8/16/32 bit colors with 150Hz
▪ 1024x768	8/16/32 bit colors with 120Hz
▪ 1152x864	8/16/32 bit colors with 120Hz
▪ 1280x1024	8/16/32 bit colors with 100Hz
▪ 1600x1200	8/16/32 bit colors with 85Hz
▪ 1920x1200	8/16/32 bit colors with 75Hz
▪ 2048x1536	8/16/32 bit colors with 60Hz

2 Card Installation

To install the VGA card to your computer, please follow the steps below:

2.1 Installation on new system

1. Remove the computer case.

2. Locate the AGP slot on your mainboard.

MSI reminds you...

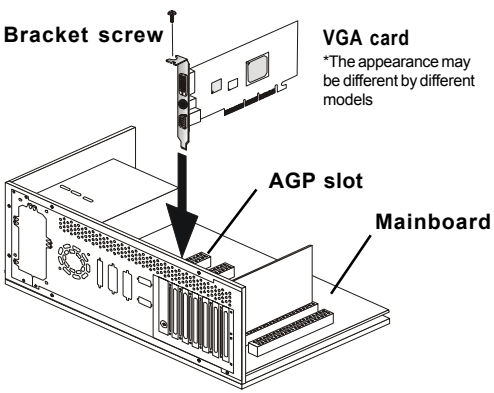
Inserting your VGA card into a wrong type of slot (e.g. PCI slot) will damage your card (refer to your mainboard manual for more information).

3. Put the card directly over the AGP slot and press one end of the card into the slot first. Slightly but firmly press the other end until it is fully seated in the slot.

4. Secure the card with a bracket screw.

5. Install all other cards and devices and connect all the cables, and then replace the case.

6. Connect the monitor. Now, you are ready to install the software on your computer.



2.2 Installation on system with existing VGA card

To replace the existing VGA card to your computer, please follow the steps below:

1. If your operating environment is Windows® NT system, switch your display driver to standard VGA first (refer to Windows® NT documentation for more information). If you are using Windows® 98/ME/2000, skip this step.

2. Turn off the computer and unplug all the cables and power cords.

3. Remove the computer case.

4. Remove the existing VGA card. Locate the AGP slot on your mainboard.

MSI reminds you...

Inserting your VGA card into a wrong type of slot (e.g. PCI slot) will damage your card (refer to your mainboard manual for more information).

5. Put the card directly over the AGP slot and press one end of the card into the slot first. Slightly but firmly press the other end until it is fully seated in the slot.

6. Secure the card with a bracket screw.

7. Replace the case.

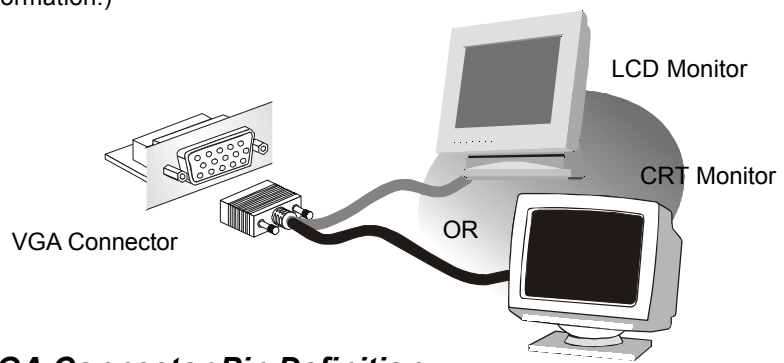
8. Connect the monitor (see previous section).

9. Restart the computer. Now, you are ready to install the driver for the VGA card.

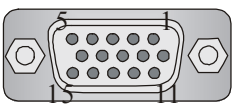
3 Connectors

3.1 VGA Connector (DB 15-Pin)

The VGA card provides a standard VGA connector, which allows you to connect a CRT or LCD monitor. Simply plug your monitor cable into the VGA connector on your VGA card, and make sure that the other end of the cable is properly connected to your monitor (refer to your monitor manual for more information.)



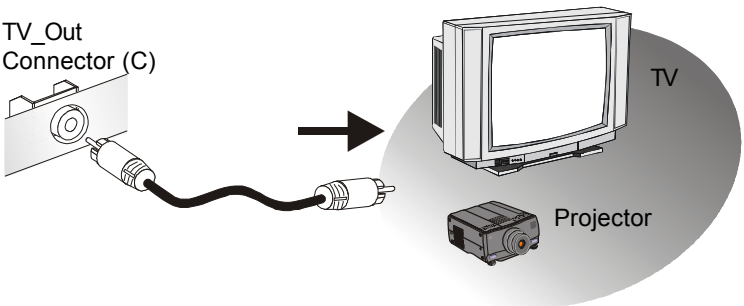
VGA Connector Pin Definition



Analog Video Display Connector (DB15-S)	
Pin	**Signal Description**
1	Red
2	Green
3	Blue
4	Not used
5	Ground
6	Ground
7	Ground
8	Ground
9	5V
10	Ground
11	Not used
12	SDA
13	Horizontal Sync
14	Vertical Sync
15	SCL

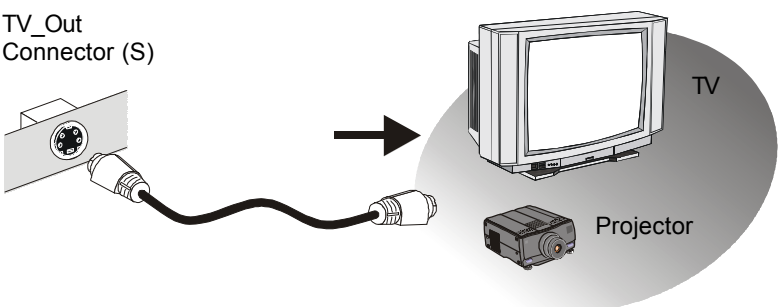
3.2 TV_Out Connector (C)

The VGA card provides a TV_Out connector for video-out function which allows you to output the image to a TV or video device. Simply plug one end of the RCA cable into the TV_Out connector on the VGA card, and the other end to the video input connector on your TV or video device. Most TVs and video devices support such kind of input connector. For the correct connection, please refer to the TVs and video devices' manuals for more information.



3.3 TV_Out Connector (S)

The VGA card provides a TV_Out connector for video-out function which allows you to output the image to a TV or video device. Simply plug one end of the S_Video cable into the TV_Out connector on the VGA card, and the other end to the video input connector on your TV or video device. Some TVs and video devices may support such kind of input connector. For the correct connection, please refer to the TVs and video devices' manuals for more information.



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