Declaration of Conformity

We, Manufacturer/Importer
(full address)

G.B.T. Technology Trading GMbH
Ausschlager Weg 41, 1F 20537 Hamburg, Germany

declare that the product
(description of the apparatus, system, installation to which it refers)

VGA Card
GV-R105256DP2-RH

is in conformity with
(reference to the specification under which conformity is declared)
in accordance with 89/336 EEC-EMC Directive

☐ **EN 55011** Limits and methods of measurement of radio disturbance characteristics of industrial, scientific and medical (ISM) high frequency equipment	☒ **EN 61000-3-2** Disturbances in supply systems caused by household appliances and similar electrical equipment "Voltage fluctuations"
	☒ **EN 61000-3-3**
☐ **EN 55013** Limits and methods of measurement of radio disturbance characteristics of broadcast receivers and associated equipment	☒ **EN 55024** Information Technology equipment-Immunity characteristics-Limits and methods of measurement
☐ **EN 55014-1** Limits and methods of measurement of radio disturbance characteristics of household electrical appliances, portable tools and similar electrical apparatus	☒ **EN 55082-1** Generic immunity standard Part 1: Residual, commercial and light industry
	☒ **EN 50082-2** Generic immunity standard Part 2: Industrial environment
☐ **EN 55015** Limits and methods of measurement of radio disturbance characteristics of fluorescent lamps and luminaries	☒ **EN 55014-2** Immunity requirements for household appliances tools and similar apparatus
☐ **EN 55020** Immunity from radio interference of broadcast receivers and associated equipment	☒ **EN 50091-2** EMC requirements for uninterruptible power systems (UPS)
☒ **EN 55022** Limits and methods of measurement of radio disturbance characteristics of information technology equipment	
☐ **DIN VDE 0855** Cabled distribution systems. Equipment for receiving and/or distribution from sound and television signals part 10 part 12	
☒ **CE marking**	(EC conformity marking)

The manufacturer also declares the conformity of above mentioned product with the actual required safety standards in accordance with LVD 2006/95/EEC

☐ **EN 60065** Safety requirements for mains operated electronic and related apparatus for household and similar general use	☒ **EN 60950** Safety for information technology equipment including electrical business equipment
☐ **EN 60335** Safety of household and similar electrical appliances	☒ **EN 50091-1** General and Safety requirements for uninterruptible power systems (UPS)

Manufacturer/Importer

Signature: _Timmy Huang_

Name: _Timmy Huang_

Date: Apr. 02, 2007

(Stamp)

DECLARATION OF CONFORMITY
Per FCC Part 2 Section 2.1077(a)

Responsible Party Name: G.B.T. INC. (U.S.A.)

Address: 17358 Railroad Street

City of Industry, CA 91748

Phone/Fax No:(818) 854-9338/ (818) 854-9339

hereby declares that the product

Product Name: VGA Card

Model Number: GV-R105256DP2-RH

Conforms to the following specifications:

FCC Part 15, Subpart B, Section 15.107(a) and Section 15.109
(a).Class B Digital Device

Supplementary Information:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful and (2) this device must accept any inference received, including that may cause undesired operation.

Representative Person's Name: ERIC LU

Signature: _Eric Lu_

Date: Apr. 02, 2007

Minimum System Requirements

- • Intel Pentium® 4 or AMD Athlon processor or higher
- • One available AGP 3.0 compliant slot or better
- • Operating Systems Windows® 2000 / Windows® XP / Windows® Vista
- • 256 MB system memory
- • 200 MB of available disk space for full installation
- • CD-ROM or DVD-ROM drive

Table of Contents

1. Introduction

1.1. Features

- Powered by ATI Radeon X1050 GPU
- Supports AGP 8X
- Supports Microsoft® DirectX® 9.0 and OpenGL® 1.5 feature sets
- Integrated with 256 MB GDDRII memory
- Supports TV-Out, D-Sub, and DVI connectors

1.2. Board Layout

DVI-I Connector

TV-Out

VGA Monitor Connector
(15-pin)

Digital LCD Monitor — DVI Output

Analog LCD Monitor OR Analog Monitor — VGA Output — DVI-I to D-Sub Adapter

NTSC / PAL TV OR Projector — AV Output

Analog LCD Monitor OR Analog Monitor — VGA Output

DVI-I Connector

TV-Out (S-Video)
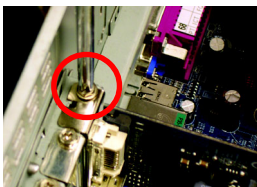
VGA Monitor Connector (15-pin)
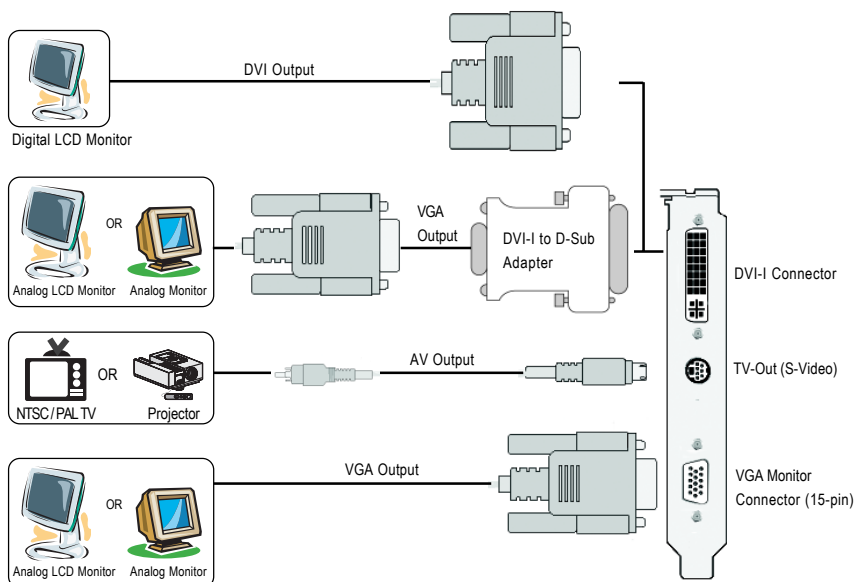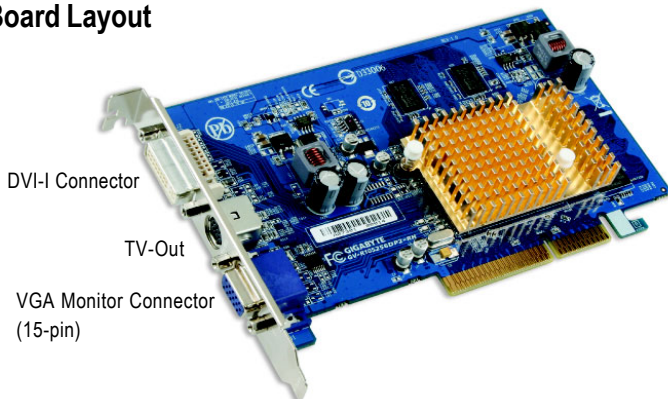
2. Hardware Installation

Installing your graphics card.
Now that you have prepared your computer, you are ready to install your graphics card.
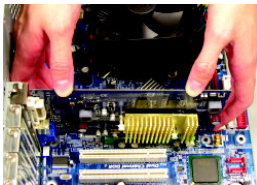
1. Locate the AGP slot. If necessary, remove the metal cover from this slot; then align your graphics card with the AGP slot, and press it in firmly until it is fully seated.

2. Replace the screw to fasten the card in place, and replace the computer cover.

3. Plug the display cable into your card; then turn on the computer and monitor.

3. Software Installation

3.1. DirectX Installation

Install Microsoft DirectX to enable 3D hardware acceleration support for Windows® 2000/ Windows® XP to achieve better 3D performance.

NOTE
Note: For software MPEG support in Windows® 2000/ Windows® XP, you must install DirectX first. Users who run Windows XP with Service Pack 2 or above do not need to install DirectX separately.
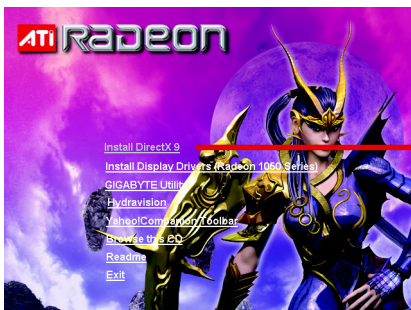
When the Autorun window appears, click **Install DirectX 9**.
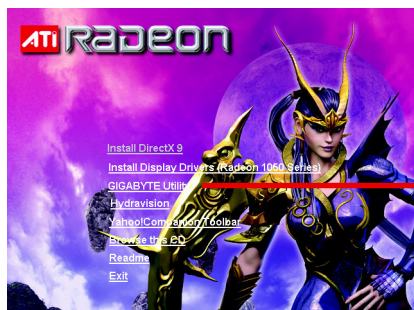
3.2. Driver Installation (Windows® XP/2000)

Insert the driver CD disk into your CD-ROM drive, and then the Autorun window appears. If it does not appear, please run SETUP.exe in the root directory of the driver CD disk (ex:D:\SETUP.exe).
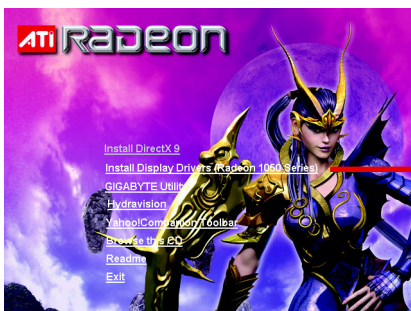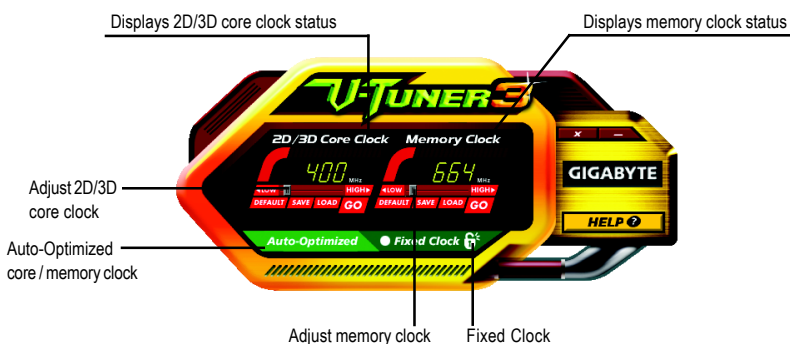
Click **Install Display Drivers (Radeon X1050 Series).**

3.3.   V-Tuner 3 Installation

V-Tuner 3 lets you adjust the working frequency of the graphic engine and video memory (Core Clock and Memory Clock).

Click **GIGABYTE Utility**.

Displays 2D/3D core clock status   Displays memory clock status

Adjust 2D/3D core clock
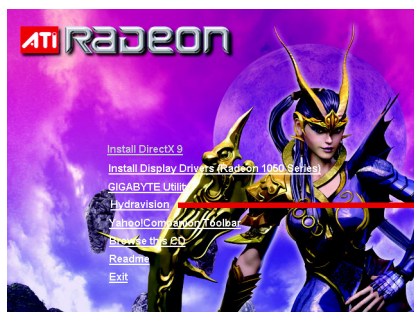
Auto-Optimized core / memory clock

Adjust memory clock   Fixed Clock

3.4.   HYDRAVISION™ Installation

HYDRAVISION™ and the Desktop Manager are activated whenever Windows® starts. Installing HYDRAVISION™ adds menu options to the ATI Icon.
Click on the ATI icon to access the application's features and help, or to unload the HYDRAVISION™ Desktop Manager.

Click **Hydravision**.

4. Appendix

4.1.   BIOS Flash Utility

1.   Please download the newest BIOS Zip file for your graphics card from GIGABYTE website. The file includes a MS-DOS-based BIOS flash utility. Or contact your local dealer for the file.

4.2.   How to Reflash BIOS in MS-DOS mode

1.   Extract the downloaded Zip file to your hard disk or floppy disk. This procedure assumes drive A.
2.   Restart the computer in MS-DOS mode. (For Windows 2000/XP, you need a startup disk to restart the computer in MS-DOS mode.)
3.   Change the command prompt to A:\>.
4.   To back up the current BIOS, at the A:\> prompt, type [BIOS flash utility name] -s [BIOS file name] (**example: gvf19 -s r105dp2rh.f1**) and press **Enter**.
5.   To flash BIOS, at the A:\> prompt, type [BIOS flash utility name] -p [BIOS file name] (**example: gvf19 -p r105dp2rh.f2**) and press **Enter**.
6.   Wait until it's done, then restart your computer.

4.3.   Resolutions and Color Depth Table (In Windows® XP)

Display Screen Resolution	Max. Refresh Rate (Hz)	Color Depth 8bpp(256 color) Standard Mode	16bpp(65K color) High Mode	32bpp(16.7M) True Mode
640 x 480	200	✓	✓	✓
800 x 600	200	✓	✓	✓
1024 x 768	200	✓	✓	✓
1152 x 864	100	✓	✓	✓
1280 x 768	85	✓	✓	✓
1280 x 960	160	✓	✓	✓
1280 x 1024	120	✓	✓	✓
1600 x 1200	100	✓	✓	✓
1792 x 1344	85	✓	✓	✓
1800 x 1440	70	✓	✓	✓
1856 x 1392	75	✓	✓	✓
1920 x 1080	75	✓	✓	✓
1920 x 1200	85	✓	✓	✓
1920 x 1440	75	✓	✓	✓
2048 x 1536	66	✓	✓	✓