Operating Systems
● Windows® XP / 2000 / NT / ME / 98 / 95
● Linux Compatible
● API Support
● OpenGL® 1.3 and lower
● DirectX® 8.1 and lower

Designed to WHQL Compatibility Standards
● Windows® XP, 2000, 98, 95, ME, NT 4.0 display drivers
● Microsoft® DirectDraw® , Direct3D®, DirectVideo® , and ActiveX® drivers
● OpenGL® ICD for Windows® XP, 2000, 98, 95, and NT
● Complete Linux display and OpenGL® drivers support
● Fully P00, PC99 and PC99a compliant

Performance
● Graphics Core: 256-bit
● Memory Bandwidth: 8.0 (GB/sec.)
● Fill Rate: 1.0 billion (texels/sec.)
● Triangles: 31 million/sec.
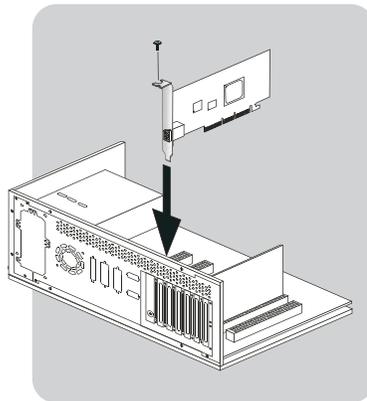● RAMDACs: 350 (MHz) (each have 2 RAMDACs)

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

Hardware Installation

Follow the steps below to install the VGA card :

1. Remove the computer case.

2. Locate the AGP slot on your mainboard.

   Warning: Inserting the VGA card into a wrong 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. Gently 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 install the case.

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

Software Installation
(for Windows® XP/ 2000/ 98SE/ ME)

To install the driver of the VGA card to your computer running Windows® XP/2000/98SE/ME, please follow the steps below:

1. Turn on the computer.
2. Insert the CD into the CD-ROM drive. The Autorun program will start the Setup program, and show the setup screen as follows:

Tip : If, on your computer, the Autorun program does not execute automatically, please 1) enable the CD-ROM drive Auto-detect function from Control Panel; or 2) find and run the setup.exe file manually from the CD.

3. Click nVIDIA VGA Drivers. Follow the on-screen instructions to complete the installation.
4. After finishing the installation, restart the computer as instructed.

Installing MSI™ Live Update 3™

MSI™ Live Update 3™ is a useful utility for you to upgrade your MSI™ mainboard and VGA card. Thanks to the powerful capacity of this utility, you can conveniently download and automatically update the BIOS and the drivers on-line, without spending much time in searching many Web sites to find the BIOS or drivers you want.
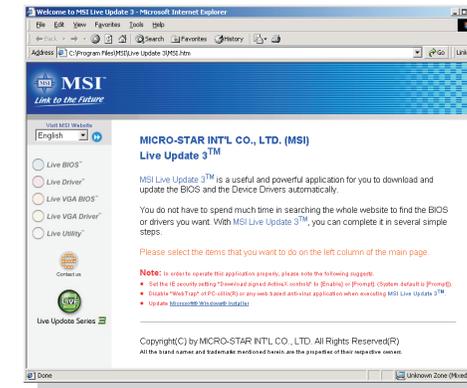
Installing from the CD-Title

1. Insert the CD into the CD-ROM drive, and start the Setup program.

2. Click the Utility tab on the setup screen.

3. Click the MSI™ Live Update 3™. Follow the on-screen instructions to complete the installation.

Installing from the MSI™ Web Site

1. Make connection to MSI's website at http://www.msi.com.tw

2. Select /Support/Live Update 3/ on the upper part of the MSI's homepage to enter the setup page.

3. Click the InstallShield Wizard button to have the program of MSI™ Live Update 3™ with MSI™ Live monitor downloaded and installed on your system automatically, or click here (manual) to download and install the program manually.

4. Follow the on-screen instructions to complete the installation.

The page of the MSI™ Live Update 3™

Using MSI™ Live VGA Driver™ Update

MSI™ Live VGA Driver™ Update
This service enables you to update the latest VGA driver for your VGA card.

1. To update the MSI™ Live VGA Driver™, click Live VGA Driver™ item on the left column of the main page.

2. This utility will start checking your platform and the information on the VGA card, and display the information in a list.

3. Click the graph button on the bottom to connect MSI Live Update Series Server. Then, it will automatically connect the Internet and compare the version of the driver in the database.

4. It may take several minutes to detect the required drivers. Please wait while proceeding detection.

5. Click the InstallShield Wizard button on the right side of the table to download and update the driver. All actions will proceed automatically.

6. Follow the on-screen instructions to complete the updating procedure.

Using MSI™ Live VGA BIOS™ Update

MSI™ Live VGA BIOS™ Update
This service enables you to update the latest VGA BIOS for your VGA card.

1. To update your VGA BIOS, click Live VGA BIOS™ item on the left column of the main page.

2. If your VGA card does not support the Live VGA BIOS™ function, you will receive a warning message on the screen.

3. If your VGA card do support the Live VGA BIOS™ function, please pay attention to the message shown on the screen telling you that in what circumstance flashing BIOS may fail to reboot.

4. Click Yes if you would like to try it at your own risk or No to return to the main page with everything unchanged.

5. If you click Yes to continue, it will check the information and BIOS version of your VGA card, and list them in a table.

6. Click the graph button at the bottom to connect the MSI™ Live Update 2™ Server.

7. The MSI™ Live VGA BIOS™ will automatically connect the Internet and search the supported BIOS in the database of MSI™.

8. If it has found one (or several) supported BIOS for your VGA card, click the InstallShield Wizard button on the right side of the table to have the new BIOS downloaded and updated automatically.

9. Follow the on-screen instructions to complete the updating procedure.

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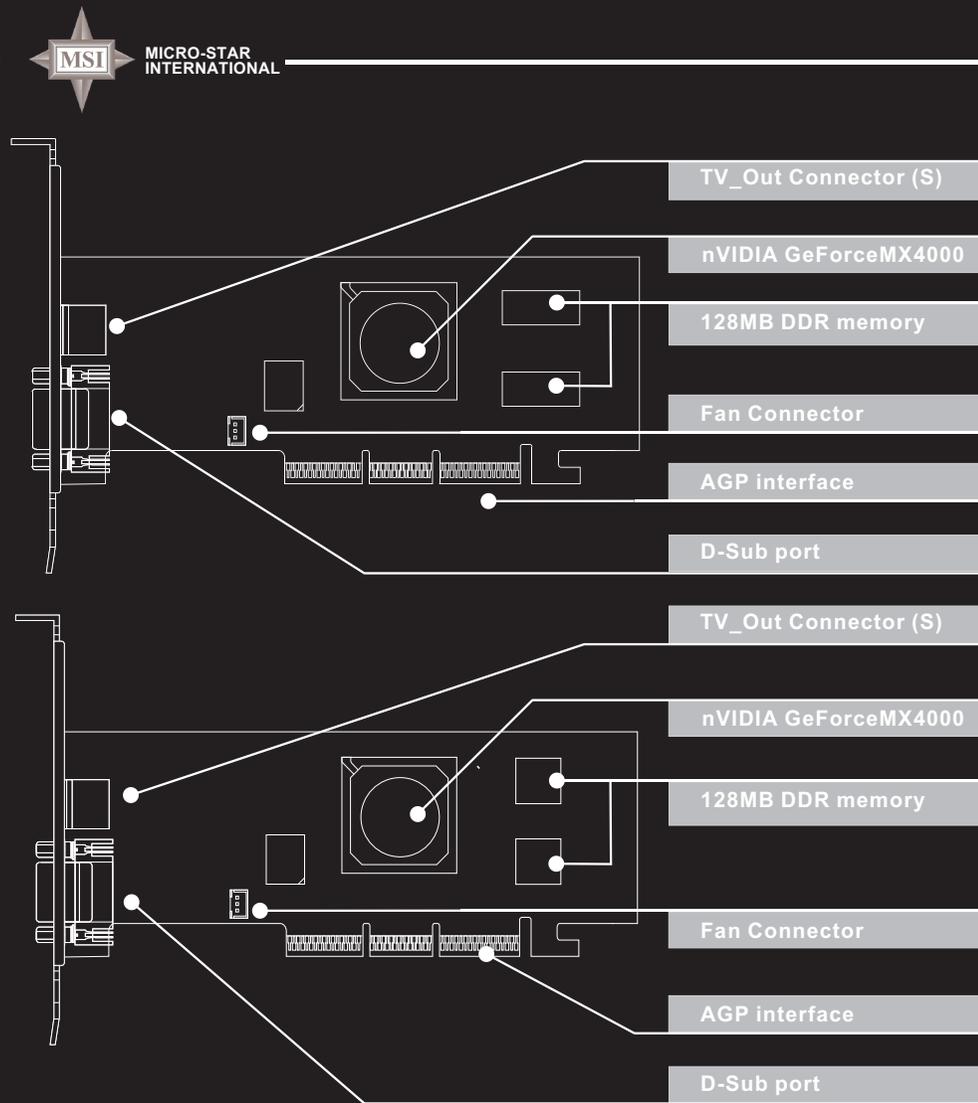
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Windows® is a registered trademark of Microsoft® Corporation.

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G52-V2NMX01
January 2004

TV_Out Connector (S)
nVIDIA GeForceMX4000
128MB DDR memory
Fan Connector
AGP interface
D-Sub port

TV_Out Connector (S)
nVIDIA GeForceMX4000
128MB DDR memory
Fan Connector
AGP interface
D-Sub port

MX4000-T128
nVIDIA® GeForce™ MX4000 inside!!!

Before Installing

Please check out the following items to make sure that you get the complete product:
● VGA card
● CDs
  - Drivers and documentation on CD
  - Applications on CD
● Consult your dealer immediately if anything is missing or damaged.

System Requirements

To install the VGA card, your computer system needs to meet the following requirements:

● Computer : Intel® Pentium® processor, Intel® Celeron™ or Pentium® II/III/4 processor or compatible system.
● Slot : AGP slot.
● Monitor : VGA Support, minimum 640x480 resolution.
● Operating System : Windows® 98/ME, Windows® XP/2000/NT 4.0.
● CD-ROM drive : Double Speed or Higher.

Card Features

Features
● NVIDIA® nView multi-display technology
● NVIDIA® Lightspeed Memory Architecture II
● NVIDIA® Accuview Antialiasing technology
● NVIDIA® Video Processing Engine (VPE)
● Integrated dual 350MHz DACs
● Integrated dual-channel TMDS transmitter
● Integrated TV encoder
● DirectX and S3TC texture compression
● 32-bit color with 32-bit Z/stencil buffer
● NVIDIA® Unified Driver Architecture (UDA)
● Complete Linux drivers, including full OpenGL
● Microsoft® DirectX® optimizations and support
● Complete OpenGL® 1.3 and OpenGL® support
● WHQL-certified Windows® XP/2000/NT/ME/98/95
● High-quality HDTV/DVD playback
● True, reflective bump mapping
● Multibuffering (double, triple, quad) for smooth animation and video playback
● 2 dual-rendering pipelines
● 4 texels per clock cycle
● Cube environment mapping
● 128MB 128/64-bit DDR RAM memory
● High-performance 2D rendering engine
● AGP 8X with Fast Writes
● NVIDIA® Shading Rasterizer
● AGP 4X/2X and AGP Texturing Support
● Integrated hardware transform engine
● Integrated hardware lighting engine
● True-color hardware cursor