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MSI Features 5

Installing MSI Live Update

MSI Live Update offers you with brand-new update service experience, which can significantly save your time while searching files. MSI Live Update is capable to automatically analyze and list drivers, BIOS, and utilities you need. With the easy-to-use updating approaches, you can increase the performance of your system easily and quickly. Follow the instructions below, with a few mouse clicks, you can acquire the related files for the system updating.

Installing from the Disk

1. Insert the supplied disk 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**. Follow the on-screen instructions to complete the installation.

Installing from the MSI Web Site

1. Link to MSI's website at <http://www.msi.com.tw>
2. Find and click **Live Update Online** on the left side of the web page to enter MSI Download Center.
3. Click **Start to Check** to download the Live Update application.
4. Click **Install** the continue.
5. Follow the on-screen instructions to complete the installation.
6. Launch MSI Live Update and to enter the main page of this utility as shown here.



MSI Features 6

Using 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

This service enables you to update the latest VGABIOS for your VGA card.

1. To update your VGABIOS, 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 VGABIOS™ 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 3™ 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.

Quick User's Guide

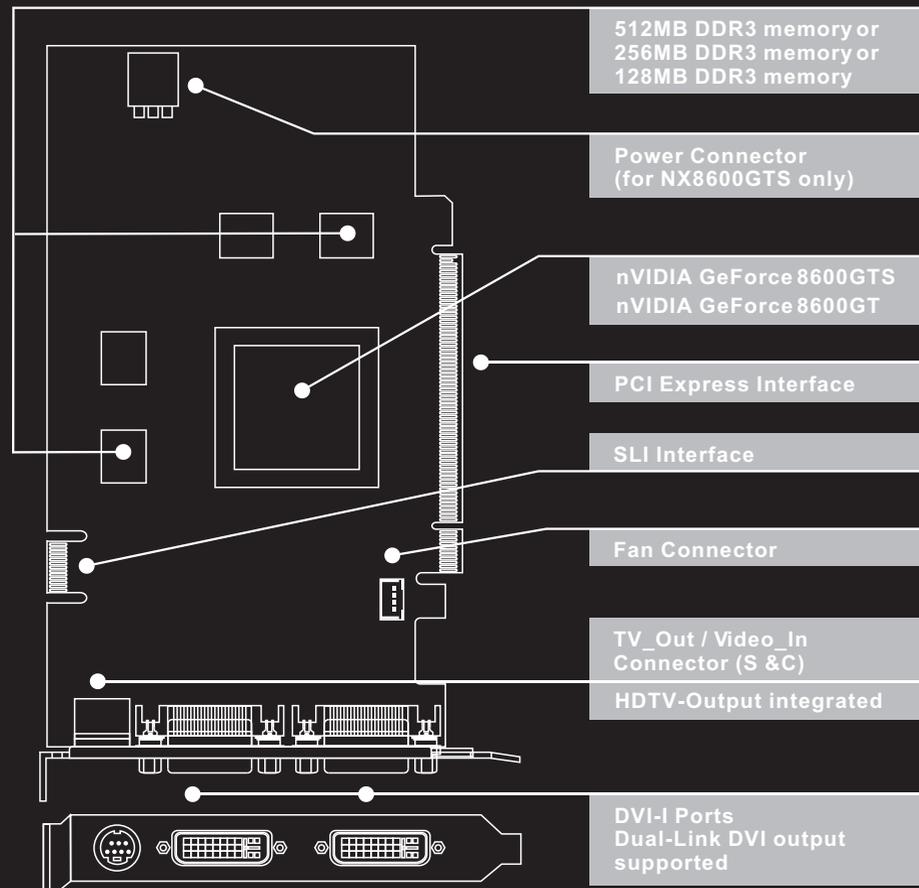


NX8600GTS NX8600GT series



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<http://www.msi.com.tw>

G52-V0952X1
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Note: The VGA card shown here may vary from the actual card. For further information, please visit MSI website at www.msi.com.tw

Unpacking

Please check out the following items to make sure that you get the complete product:

- VGA card
- Disk: Drivers, documentation, and applications
- ★ 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:

- Intel Pentium® III™ (and above), AMD® K7® (and above), or compatible with expansion slot
- 128MB of system memory
- Installation software requires CD-ROM drive
- Operation System Support: visit MSI website for further information
- Power supply of 350 (and up) watt is highly recommended for system stability

Card Features For reference only

NVIDIA® CineFX™ 5.0 Shading Architecture

- Microsoft Vista™ Features
- Vertex shaders
 - Support for Microsoft® DirectX 10.0 Vertex Shader 4.0
 - Encompass' Transform and Lighting
 - Displacement mapping
 - Geometry instancing
- Pixel shades
 - Support for DirectX 10.0 Pixel Shader 4.0
 - Support for full pixel branching
 - Support for Multiple Render Targets (MRTs)
 - Infinite-length pixel programs
- Next-generation texture engine
- Full 128-bit studio-quality floating point precision through the entire rendering pipeline, with native hardware support for 32 bpp, 64 bpp, and 128 bpp rendering modes.

64-Bit Texture Filtering and Blending

- Dedicated video hardware reduces CPU utilization and improves overall system performance
- Full floating point is supported throughout entire pipeline
- Floating point filtering improves the quality of images in motion
- Floating point texturing drivers new levels of clarity and image detail
- Floating point frame buffer blending gives detail to special effects like motion blur and explosions

NVIDIA Intellisample™ 4.0 Technology

- Advanced 16X anisotropic filtering (up to 128 taps)
- Rotated-grid antialiasing for removing jagged edges for incredible edge quality

- Support for advanced lossless compression algorithms for color, texture, and z-data at higher resolutions and frame rates
- Fast z-clear
- Support for normal map compression
- New transparent supersampling and transparent multisampling antialiasing modes

NVIDIA UltraShadow II™ Technology

- Designed to enhance the performance of shadow-intensive games, like id Software's Doom 3

NVIDIA SLI™ Technology

- Patented hardware and software technology allows two GPUs to run in parallel to scale performance
- Scales performance on over 60 top PC games and applications
- Support for NVIDIA nView™ multi-display for scalable performance across two displays

NVIDIA PureVideo™ Technology

- Patented hardware and software technology allows two GPUs to run in parallel to scale performance
- Three dedicated video engines
- MPEG-2 HD and WMV HD video playback up to 1920 X 1080p resolution
- H 264 hardware decode acceleration
- Decryption supported for all standard HD Video formats - AES-128 CTR mode, AES-128 CBC mode, and AES-128 ECB mode.
- Industry's most advanced video algorithms
- Overlay color temperature correction
- Microsoft Video Mixing Renderer (VMR) support for multiple video windows with full video quality and features in each window
- Integrated HDTV output

Advanced Display Functionality

- Dual integrated 400MHz RAMDACs for display resolutions up to and including 2048 X 1536 at 85 Hz
- Dual MIO ports for interfacing to external TMDS transmitters and external TV encoders
- Full NVIDIA nView multi-display technology capability

Advanced Engineering

- Designed for PCI Express X16
- Designed for high-speed GDDR3 and GDDR4 memory
- Cooling as low as 24 dB delivered by advanced thermal management and thermal monitoring

NVIDIA Digital Vibrance Control™ (DVC) 3.0 Technology

- DVC color controls
- DVC image sharpening controls

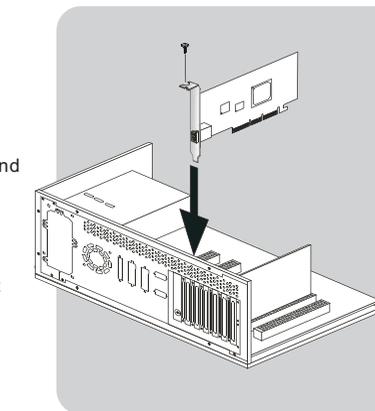
API Support

- Complete DirectX support, including the latest version of Microsoft DirectX 10.0 Shader Model 3.0
- Full OpenGL support, including OpenGL 2.0

Hardware

Follow the steps below to install the VGA card:

1. Remove the computer case.
2. Locate the expansion slot on your mainboard. Warning: Inserting the VGA card into a wrong slot may damage your card (refer to your mainboard manual for more information).
3. Put the card directly over the expansion slot and press one end of the card into the slot first. Gently but firmly press the other end until the card 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

To install the driver of the VGA card to your computer, 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.