

## -- GIGABYTE Launches Next-Gen Graphics Accelerators

### -Silent Cell and Ultra Durable VGA --

#### -- Ultra Stable, Ultra Cool--

**Taipei, Taiwan, March 6, 2009** – GIGABYTE TECHNOLOGY Co., Ltd., a world-leading manufacturer of top quality graphics cards today proudly unveiled the world's fastest, coolest and steady technique for graphic card solutions —Silent cell and Ultra Durable VGA.

The latest Ultra Durable VGA technology features five high quality components to provide low GPU and memory temperature, high overcolcking capability, and low power switching loss. Ultra Durable VGA features 2 oz PCB board, tier 1 Samsung/Hynix memory, Japanese solid capacitors, Ferrite Core Chokes, and Low RDS (on) MOSFET. By adapting the latest Ultra Durable VGA technology, GIGABYTE made the upcoming next-generation graphics cards achieve the greatest total performance by delivering lower GPU temperature by 5% to 10% than non Ultra Durable VGA graphic accelerators. Additionally, Ultra Durable VGA allows overcolcking capability to increase by 10% to 30% and power switching loss to decrease by 10% to 30% compared with non Ultra Durable VGA graphic accelerators. Also, the integration of high quality components—Ferrite Core Chokes, Low RDS (on) MOSFET, and Japanese solid capacitor effectively provides longer card life.



GIGABYTE rewrites the history of silent cooling to perfect the thermal performance, introducing the state-of-the-art Silent-Cell™ Cooling Technology which adopts a series of crimping layered fins with Aluminum nodes. Thanks to proprietary cell-division thermal

architecture and ultra-huge pure copper base with 3 heat pipes, Slient-Cell™ are able to cool down the GPU up to 18°C more than by using an active fan cooling design. In addition, Silent-Cell cooler module utilizes the precision process to deliver zero-interval combination between heat pipe and fins, enhancing the overall cooling capability without any compromise from its material characteristic. Overall, GIGABYTE Silent-Cell™ Cooling features and Benefits as:



- Lowest Thermal Resistance between heat pipe and fins.
- Crimping Layered Fins with Aluminum nodes to feature the all-new zero-interval precision process.
- Ultra-huge Pure Copper Base with 3 high-performance heat pipes (285% upgrade)
- Cell-division architecture amplifies natural convection design.

For more details about the GIGABYTE Silent Cell and Ultra Durable VGA, please visit the GIGABYTE VGA website:

<http://www.gigabyte.com.tw/Products/VGA/Default.aspx>

**About GIGABYTE** *Upgrade Your Life*

GIGABYTE, headquartered in Taipei, Taiwan, is known as a global leading brand in the IT industry, with employees and business channels in almost every country. Founded in 1986, GIGABYTE started as a research and development team and has since taken the lead in the world's motherboard market. On top of motherboards and graphics accelerators, GIGABYTE further expanded its product portfolio to include notebook and desktop PCs, digital home entertainment appliances, networking servers, communications, mobile and handheld devices, servicing every facet of people's lives at home or business. Everyday GIGABYTE aims to "Upgrade Your Life" with the most innovative designs and impeccable quality and services. Visit [www.gigabyte.com.tw](http://www.gigabyte.com.tw) for more information.