



eVGA.com Announces the ACS² (Asymmetric Cooling System²)

Brea, California, March 1, 2002 – eVGA.com, a leading supplier of video graphics adapters, today announced the release of their ACS² (Asymmetric Cooling System²) cooling system for graphics cards based on the NVIDIA GeForce4 Ti 4600.

The eVGA.com ACS² is the next generation of graphics card cooling that follows the launch of the original ACS system. Like the original ACS, the ACS² was designed using the best in thermal principle and flow mechanics, and utilizes cooling technologies that have never been applied in the area of graphics card cooling. Like its predecessor, the ACS² has been designed with maximum functionality and usability in mind, and incorporates a number of design advantages.

Heat Pipe Technology – Never before used in a graphics card cooling application, the ACS² includes three heat pipes (one on the solder side of the card for the memory located there, and two on the component side of the card for the memory and GPU) that rapidly transfer heat from the components into the ACS²'s powerful heatsinks.

Copper Heatsink – While aluminum is the standard choice for computer heatsinks, it is a well known fact that copper is by far a better thermal conductor and can be used to create superior cooling devices. The interior heat baffles of the ACS² are composed of copper, and function in a way similar to a radiator.

Improved Memory Cooling – While most cooling solutions only address part of the graphics card, usually the GPU, and leave passive sinks to cool the memory; the ACS² actively targets the memory on both the front and backside of the card – allowing it to achieve very high levels of cooling efficiency.

Dual Induction Fan – In order to improve the level of airflow through the heatsink, the ACS² incorporates a unique fan design that pulls air in from both its top and bottom to greatly improve the overall level of airflow and to further reduce the temperature of the card.

No Clearance Limitations – Like the original ACS, the ACS² was designed to make sure that the user would not lose the PCI slot that sits right next to the AGP port. At 11.7mm in thickness, the ACS² allows for ample clearance and does not interfere with PCI device installation.

Incredible Cooling Performance – In internal testing, the ACS² has achieved remarkable levels of cooling performance, with the capability to cool the GeForce4 Ti 4600 part to better than 48°C – the temperature for the GPU with the reference cooling system was 64°C – making the ACS² the clear victor for high performance cooling.



The ACS² is very substantial for a graphics card cooling unit, and is a departure from traditional philosophies. But, eVGA.com felt that a customer that pays \$399 for a graphics card needed something to help protect their investment - something more substantial than the low cost reference fan that comes on most of the GeForce4 Ti 4600 cards released to the market.

Where To Buy

The eVGA.com ACS² is scheduled to be released on the new e-GeForce4 Ti 4600 retail line – *available through the following retail outlets: MicroCenter, PC Club, and Milwaukee PC.*

Also available through the following nationwide distributors: ASI, D&H, Mexmal (Mexico), and Supercom (Canada).

eVGA.com is considering making the ACS² available as a separate upgrade for customers that wish to upgrade their cooling solution.

About eVGA.com

eVGA.com is a recognized leader in the video graphics industry; having leveraged their technology to reinvent and support almost every level of their business, from End User Needs, to Business to Business Supplier Chain Technology.

eVGA.com was awarded NVIDIA Select Solution Provider status in 2000, and has remained a strong partner of NVIDIA and the most active Solution Provider ever since – striving to always be at the forefront in the effort to deliver new and more powerful visual graphics solutions to the market. And eVGA.com was selected by NVIDIA as a launch partner for the GeForce4 line in 2002.

eVGA.com was founded in 1999 by Andrew Han and Keith Rochford. Their idea behind the company was simple: technology, innovation, and community relationships could be used to overcome the weaknesses found in the traditional VGA industry.

So far, eVGA.com has experienced over 3600% overall growth from 1999 to the middle of 2001, with \$21M in annual sales and 500K NVIDIA based cards sold in 2001.

Founded in 1999, eVGA.com is privately held, and located in Brea, California.

eVGA.com offers product and company information through its website at <http://www.eVGA.com>.