The New SAPPHIRE HD4890

SAPPHIRE HD 4890 ATOMIC Edition is fastest yet

Vapor-X Cooler takes clocks to the max!

SAPPHIRE technology has just announced its ATOMIC Edition of the HD 4890 - delivering the fastest single GPU graphics card available based on ATI/AMD technology. Building on its success with Special Editions based on its Vapor-X Vapor Chamber Cooling technology introduced over a year ago, the SAPPHIRE HD 4890 ATOMIC Edition will be a limited edition product aimed at the enthusiast looking for the maximum performance straight out of the box.

The SAPPHIRE HD 4890 ATOMIC achieves the fastest speeds available on current technology. It is the first card on the market with a core clock speed of **1GHz** as well as 1GB of GDDR5 memory with clocks of 1050MHz, making it the fastest ATI-based single core graphics card on the market. Its distinctive silver box features an enhanced accessory bundle including HDMI cable for connection to a suitable display. A launch promotion on www.sapphireatomic.com gives users a chance to win one of these exciting cards as well as related prizes.

The SAPPHIRE HD 4890 series is based on a new GPU core from the ATI division of AMD. This features the same graphics architecture as the successful HD 4870 series, with 800 stream processor units, 256-bit GDDR5 memory interface and integral hardware video decoder. It also features improved memory management architecture, and technical innovations that allow higher clock speeds and reduce standby power levels.

This series uses the PCI-Express Gen2 interface, and features dual connectors for CrossFireX cables, allowing two or more cards to be used together on a CrossFireX compatible mainboard for even higher graphics performance.

About Vapor-X

SAPPHIRE was the first company to introduce Vapor Chamber Technology to its cooling solutions for graphics. The Vapor-X cooler was first seen on the SAPPHIRE HD 3870 ATOMIC

and TOXIC Editions over a year ago and is now in production on the HD 4870 512MB and 1GB TOXIC Editions and Vapor-X series cards.

Vapor-X is a Vapor Chamber Technology based on the same principles as heatpipe technology. A liquid coolant is vaporised at a hot surface, the resulting vapor is condensed at a cold surface then the liquid is returned to the hot surface. The recirculation process takes place inside an evacuated chamber and is controlled by a complex wick system. In SAPPHIRE Vapor-X systems, the whole chamber is very slim and is mounted in contact with the surface of the graphics chip. More details are available at www.sapphiretech.com

The ATOMIC and TOXIC series of high performance overclocked products incorporate a hybrid cooling system combining Vapor-X at the core to remove heat efficiently from the graphics processor together with heatpipes and heatsinks. These are cooled by a fan to carry away the heat from the vapor chamber, memories and other components and give more headroom for higher levels of performance. SAPPHIRE Vapor-X and hybrid cooling systems are very efficient, so they can use low air flow rates – and therefore low speed, low noise fans

Smooth Video and Streaming

All SAPPHIRE graphics cards in the HD 4800 series incorporate the latest ATI Avivo™ HD Technology for enhanced Video display and feature a new generation built in hardware UVD (Unified Video decoder) considerably reducing CPU load and delivering smooth decoding of Blu-ray™ and HD DVD content for both VC-1 and H.264 codecs, as well as Mpeg files. In addition to two, dual-link DVI outputs, and TV-Out, a dedicated HDMI adaptor delivers both audio and video output on a single cable for direct connection to an HDMI ready display.

SAPPHIRE HD 4800 series graphics cards are Microsoft Windows Vista™ Premium certified and supported by the ATI Catalyst® suite of software, ensuring customers have ongoing access to software updates for performance, stability and added features. Like the previous generation, these cards support DirectX10.1 for enhanced rendering performance and lighting effects. With the latest drivers, the SAPPHIRE HD 4800 series also offers ATI Stream processing for the acceleration of video transcoding and other supported applications.

SAPPHIRE will be announcing further models in its HD 4890 series in the coming weeks.

Images and more details are available at www.sapphiretech.com

Specifications correct at time of writing but may be subject to change.