

# ALIENWARE ADVISOR

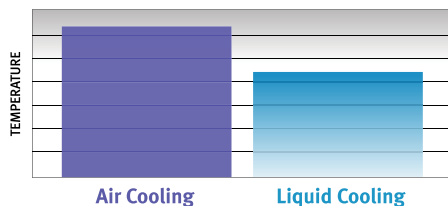


Area-51® 7500

## Q. What are the benefits of Liquid Cooling?

**Alienware:** Today's increasingly powerful computers have much higher heat output than their predecessors. Liquid cooling, as opposed to air-cooling, can dissipate more heat, better maintain constant temperatures, and do it with considerably less noise, boosting overall system performance by allowing processors to run faster (hotter).

### LIQUID COOLING TECHNOLOGY



## Q. What is the difference between RAID0, RAID1? What are the advantages and disadvantages of each?

**Alienware:** A RAID (Redundant Array of Inexpensive Disks) is any number of hard drives linked together to create a single high-capacity storage device. RAID0 and RAID1 are types of RAID configurations. RAID0 is built for speed and employs a process called striping, whereby saved data is divided into blocks that are spread across multiple drives. This method improves performance and allows you to use the full capacity of your drives, but allows for no redundancy of data, meaning that if one drive goes down, your data is damaged.

RAID1 uses a process called mirroring to create data redundancy. When data is saved to one of the drives in this configuration it is also saved to another drive called a mirror drive. The data exists in two locations, so if a drive goes down, your data remains safe. The drawbacks with RAID1 are that you only have access to one-half of your total storage

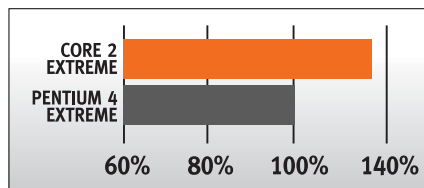
capacity and you won't see the performance benefits of RAID0. However, if you value your data it's the way to go.

## Q. What is CORE™ 2 DUO?

**Alienware:** Core™ 2 Duo and Core™ 2 Extreme are Intel's next generation, desktop-optimized, dual core processors. Core 2 Duo processors are poised to replace Pentium 4 as the flagship product of the Intel brand and are available now.



Based on the new state-of-the-art Intel® Core 2 Duo architecture, the processors feature numerous power efficiency advancements and deliver exceptional performance when running high-demand applications. Initial benchmarking on tasks such as 3D gaming and media playback show a significant performance edge when placed head to head against Intel's previous Pentium 4 Edition processors.



## Q. How does the AGEIA PhysX™ card help me?

**Alienware:** The AGEIA PhysX Processor is the first hardware accelerator for PC games dedicated to enabling real-world environmental interaction. What does this mean? Big, juicy explosions with dust and debris, weapons that follow their own rules, smoke and fog that actually behave like smoke and fog -- simply put, PhysX will let you experience a new generation of gaming governed by the laws of physics.

## Q. Do I still need SLI with PhysX?

**Alienware:** You will need as much graphics firepower as you can muster to keep up with the thousands of potential objects that a PhysX processor can spawn: An SLI-equipped gaming rig would be the ideal hardware environment for PhysX.



For instance, with PhysX, debris, shrapnel and assorted odds and ends generated from an explosion may not simply disappear from the game. They can continue to exist as independent objects and your Graphics Processing Unit (GPU) will need to be robust enough to track and monitor each as they are all potential points of future interaction.

## Q. What games take advantage of PhysX?

**Alienware:** There are currently over 60 publishers and developers using AGEIA PhysX in over 100 titles. Some of the heavy hitters? The über-popular Tom Clancy's Ghost Recon Advanced Warfighter as well as Rise of Nations: Rise of Legends. You're also likely soon to see mainstays like Unreal Tournament 2007 and Warhammer Online.

## Q. What are the differences between Windows XP Home, Pro and Media Center Edition (MCE) operating systems?

**Alienware:** Windows XP Home is the most basic OS from Microsoft. Although sufficient for most users, it doesn't have the bells and whistles offered by XP Pro and MCE. MCE, when installed on a Media Center PC, allows you to connect to a television to display content, use your computer as a DVR and control applications via remote control.

