

Intel Xeon Gen-32nm: Aberdeen Delivers 60% Better Server Performance

Santa Fe Springs, California, March 23, 2010: Aberdeen LLC aggressively rolls out new servers based on Intel Corp.'s latest Xeon 5600 microprocessors which promise better performance and lower power consumption. The Aberdeen Stirling 267, VMware certified 2U server can deliver up to 60 percent greater performance over the predecessor Xeon 5500 chips introduced last year. While the Stirling 267 boasts breakneck performance improvements and virtualization benefits, a well equipped server starts at a friendly sub-\$4000 price point.

The next generation Intel Xeon-based Stirling 267 flagship server will be on display at the International Security Conference and Expo (ISC West) in Las Vegas at the Sands Convention Center in booth #9149 March 24-26, 2010. The Aberdeen Stirling 267 utilizes up to two Six-Core Intel® Xeon® processor 5600 series microprocessors, formerly code named Westmere. The new, low power Xeon processors help to deliver the lowest power consuming servers in the marketplace while providing the flexibility to virtualize different generations of Xeon server processors within the same pool.

Stirling servers featuring Intel® Xeon® processor 5600 series can see a 60% boost in performance with 32nm technology over the previous 45nm generation. Scheduled for a March Madness release, Aberdeen customizable servers can be configured with any of the more than a dozen new 32nm Xeon 5600 Westmere sequence processors ranging between 1.86Ghz and 3.46Ghz, and consume between 40W and 130W. The next generation of intelligent server processors provides industry leading energy efficiency and performance by automatically regulating energy consumption. This may result in up to a 93% energy savings while increasing performance 15x over single-core servers and result in an estimated 5-month ROI.

"Typically the industry sees a heightened interest in new processor developments," states Jack Tateel, Executive Vice President of Aberdeen. "With the considerable power and performance improvements in these Stirling servers, thanks to the Six-Core Intel® Xeon® processor 5600 series advancements, Aberdeen expects to see a rapid adoption. Given the Stirling 267's significant performance and price advantages in comparison to the big-box server companies delivering entry level features at enterprise level prices, Aberdeen once again provides the best bang for the buck."

This versatile server is the first, and currently the only VMware certified server which supports out-of-band RAID management. This unique feature allows the network administrator to change RAID levels, and even add storage capacity without requiring a restart of the server, and therefore, there is zero downtime in the process.

Aberdeen's mega-expansion Stirling 267 server features an incredible seven PCI Express 2.0 slots, with one slot reserved for use by the RAID controller. This allows for up to six slots of add-on cards such as GbE or 10GbE network interface controllers ideally designed for the security surveillance industry, broadcast professionals and SMB's looking to eliminate server sprawl within a shrinking time window in which to store and transfer crucial data.

New features include:

- Intel 5520 Tylersburg Chipset
- Dual socket Intel® Xeon® processor 5600 series with 32nm fabrication
- Intel® microarchitecture with Intel® Turbo Boost Technology
- Intel® Intelligent Power Technology lowering energy consumption and costs
- Up to 96GB triple channel DDR3 memory capacity
- Maximum memory bandwidth up to 32GB/s
- Simultaneous SATA/SAS hard drive integration and an increased emphasis on expandability via SAS expansion



Aberdeen LLC
9130 Norwalk Boulevard
Santa Fe Springs, CA 90670
phone 562/699-6998
sales 800/552-6868
fax 562/695-5570

Availability and Support:

[Stirling servers](#) are currently shipping with worldwide availability and can be custom configured to meet even the most stringent requirements. The highly-scalable [100TB Stirling X888](#) and the entry-level [AberNAS](#) models can also utilize the Intel Xeon processor 5600 series by configuring a server via the Aberdeen Web site (www.aberdeeninc.com) or by contacting an Aberdeen account executive at (800) 552-6868 or +1 (562) 699-6998 from outside the United States. Aberdeen has a media recognized, industry leading 5-year limited warranty as well as a free 30-day trial assessment program with all of its branded servers.

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Media Contacts:

Trenton R. Baker
Marketing Manager
Aberdeen LLC
562-699-6998 x153
trentonb@aberdeeninc.com

Jack Tateel
Executive Vice President
Aberdeen LLC
562-699-6998 x157
jackt@aberdeeninc.com

About Aberdeen:

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