Building Upon Success
12TB TeraStorus Provides True SATA II 3.0Gb/s Speed

Santa Fe Springs, California - Aberdeen LLC continues to revolutionize the storage server market with the announcement of the 12 Terabyte Aberdeen Stirling X525 dubbed the "TeraStorus." Hot on the heels of the recent Stonehaven A261T server selection as a 2005 finalist for the LinuxWorld Product Excellence Award, Aberdeen will unveil the 3.0Gb/s SATA II TeraStorus with 12TBs of storage capacity for under $17,000.

"SATA II disk drives will change the dynamics of the backup and storage server market" says Aberdeen President, Moshe Ovadya, "As the premier supplier of custom rackmount-based server and storage solutions, Aberdeen is demonstrating that true SATA II 3.0Gb/s transfer speed stands ready to benefit storage users immediately without high price barriers."

With the explosion of data being stored, the face of storage is rapidly changing. No longer can a single tape drive be relied upon to cope with the ever increasing capacities of disk drives and drive sub-systems. Even more serious is the shrinking time window in which to transfer data. Businesses today rely on real-time access of data, uncompressed video files and even image-based databases. Aberdeen continuously evolves to solve tough data storage obstacles and relentlessly improves the management of storage to allow companies to focus on what they do best.

Typically a 24-bay enclosure needs two 12-port SATA RAID controllers. A user must create individual RAID sets for each controller. Dividing data into 2TB increments is inefficient and has become a storage management nightmare. With the Aberdeen storage servers such as the TeraStorus, IT managers can now create storage volumes as large as 12TB in a single basic volume. The storage volume array limitations in Windows and certain Linux environments are eliminated with the TeraStorus and as an added benefit this also eliminates the need to create dynamic disks and spanned volumes therefore attaining larger storage capacities making storage management a breeze.

Since its inception the "TeraStorus" has clearly defined the standard in price, performance and packaging. With the addition of true SATA II technology enabling 3.0Gb/s transfer speeds and zero RAID array limitation, the "TeraStorus" is a vast improvement over the archaic IDE disk drives and provides significant speed improvements of the venerable SATA drives.

The custom configurable "TeraStorus" rackmount server includes; 24 hot-swap/hot-spare drive bays with storage capacity up to 12TB, dual gigabit NICs, an internal wall of cooling fans and support for RAID 0,1,5,6 & 10. Configured with dual Intel® Xeon™ processors, a triple redundant 950W power supply and up to 16GB of DDR2-400 memory. For businesses that require the most computing power possible, the Stirling X525 performs with multiple OS platforms for full interoperability in heterogeneous environments. By utilizing the included external SCSI connection the 12TB TeraStorus can be supersized through the addition of up to five 8TB RAID storage expansion boxes per SCSI connector and also provides the flexibility for; two internal OS hard drives, a tape drive, DVD-R or CD-RW, and upgrades such as iSCSI, NAS and backup software. The complete Aberdeen line of Stirling storage servers satisfies the need for high-volume speed and builds upon the greatest flexibility, scalability and efficient storage to provide a better, faster and more cost -effective storage solution.

Features:
 ~12TB enterprise class data storage
 ~Single RAID Array Volumes in both Windows and Linux
 ~Fastest throughput available with 3.0Gb/s transfer rates
 ~Scalability of up to 40 additional Terabytes via SCSI port

Availability and Support:
The Stirling X525 "TeraStorus" is currently shipping with worldwide availability and can be custom configured to meet even the most stringent requirement via the Aberdeen Web site (www.aberdeeninc.com) or by contacting a sales executive at (800)552-6868. Aberdeen has a media recognized, industry leading 5-year limited warranty as well as a free 10-day trial assessment program with all of its branded server solutions.
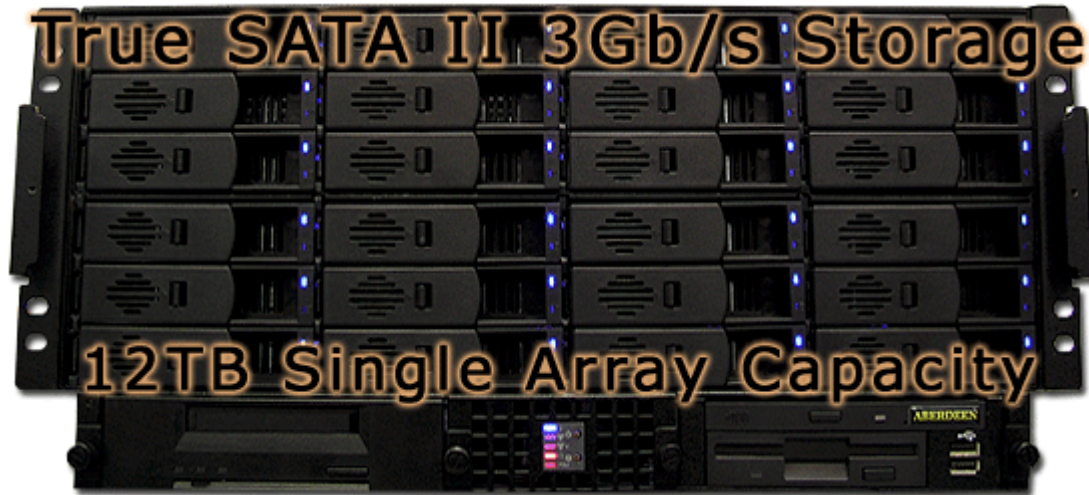
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About Aberdeen:
Aberdeen LLC is a leading direct marketer of custom rackmount servers, NAS, iSCSI and SAN storage solutions, computers and hardware. Voted among The Direct 100 vendors by PC Computing magazine Aberdeen designs, manufactures and customizes award-winning Aberdeen brand computer systems, Stirling rackmount servers, AberNAS storage appliances and backup storage servers while offering an extensive selection of high performance peripherals. For product sales, service or company information, call 800-552-6868 or visit www.aberdeeninc.com.

UNLIMITED:

The all-inclusive Aberdeen Stirling X525 storage backup server, dubbed the "**TeraStorus**" can provide up to 12TB of true **SATA II 3.0Gb/s pure single array storage starting under $17,000**. The Aberdeen TeraStorus is the goliath of backup storage servers with 24 hot-swap hard disk drive bays in a 5U rackmount server room for dual internal OS hard drives, dual gigabit NICs, SATA II controllers supporting RAID 0,1,5, 6 & 10, a remote RAID management port, an internal wall of cooling fans and an external SCSI port for expansion up to 40TB through the addition of up to five 8TB XDAS storage expansion boxes per SCSI channel. Options include; a tape drive, CD-RW, a 3+1 redundant 950W power supply and backup software to provide data security, disaster recovery and file storage capabilities. All with a **5-Year Warranty**.

PROCESSOR	Dual Socket 604 **Supports Dual Intel® Xeon processors** Front-Side Bus support for 533MHz or 400MHz Onboard 3-phase switching power regulator
CHIPSET	**Intel E7520 "Lindenhurst" chipset w/ 800 MHz FSB**
SYSTEM MEMORY	8 x 184-Pin DIMM Sockets **Up to 16GB DDR2-400 registered ECC** Compatible with PC2100 and PC1600 **ECC Registerd DDR SDRAM ONLY** Two-way interleaved memory banks provide outstanding memory performance.
ON BOARD I/O	1 x Floppy Connector, 2 x Serial 16550 compatible ports 2 x USB 1.1 Ports, PS/2 keyboard and mouse ports
ON BOARD IDE	Dual EIDE ports support Ultra DMA 100MB/s of Burst data transfer rate, supports UDMA Mode 5, PIO Mode 4 and ATAPI
VIDEO	ATI Rage XL 8MB PCI graphic controller
ON BOARD LAN	**Intel 82546EB Dual Gigabit controller** 2 x 10/100/1000 ports
SCSI CONTROLLER	**LSI Logic 21320 Dual Channel Ultra320 SCSI card** External Bracket w/ Wide SCSI connector (available connectors for internal or external SCSI tape drives)
OS DRIVE MIRROR	For added system safety and system failover, Fixed internal IDE drives
SATA RAID	**24-Port SATA II 3.0Gb/s RAID** SATA backplane allows for a single RAID array w/o limitations **24 Hot-Swap/Hot-Spare SATA II 3.0Gb/s drive bays** remote RAID management port, and high-performance hardware RAID isolation. **RAID 0, 1, 10, 5, 6, and JBOD support** SCSI performance feature set
PC HEALTH MONITORING	Onboard voltage monitors for CPU, Fan status, Environmental temperature monitor & control Chassis & CPU overheat alarm, LED indication & control, System resource alert, Supermicro System Management utility
BIOS	Phoenix 4Mb Flash ROM, RTC (Real-Time Clock) wakeup External modem remote ring-on when system is in Soft-Off state, Chipkill support BIOS rescue hot keys for rescuing BIOS chip from flash failure, Hardware BIOS virus protection
EXPANSION SLOTS	1 x (x8) PCI Express Slot **Total of 5 PCI-X**, (1 x 64-bit PCI slots populated w/SATA controller) (1 x 64-bit PCI slot populated w/ LSI SCSI controller) (3 x Empty 64-bit PCI-X Slots)
BOARD SIZE	Full ATX - 12" x 13" in.(W x H)
EXPANSION BAYS	1 x 3.5" external drive bay, 2 x 3.5" internal drive bay 1 x 5.25" external drive bay, 1 x 5.25" slim drive bay, 24 x 3.5" x 1" drive bays
CHASSIS FEATURES	19" rackmount ATX (5U height) - RMC5E **950W 3+1 Triple Redundant Hot-Swap** 2 x 12cm Hot-Swap Blowers, 2 x 60x38mm Fans Exhaust Fans Optimized HDD interspace to maximize inlet air flow Buzzer alarm for fan failure and overheat warning