4x4 Processing

16 Core Power

Stirling 444

Incomparable

The Aberdeen **Stirling 444** rackmount 4-Way Quad-Core Xeon server is effectively a 16-core supercomputer available to perform in a HPC environments that require top notch performance to process highly calculation-intensive tasks.

As for multitasking, the multi-processor quad-core Intel Xeon-based Stirling provides intensive computational power by off-loading certain tasks to specific cores, thus freeing up additional processor resources for other tasks and resulting in improved productivity.

This 4U quad server delivers all the needed power and high performance required for an HPC computing. Optimized with quad-processor quad-core Intel Xeon processors up to 2.9GHz with 8MB of cache and delivers the utmost computing power available with a 1200W triple redundant power supply, but still runs ultra cool with hot-swappable fans and a superb CPU cooling system. This Stirling 4x4 server is able to handle memory intensive projects with up to 192GB of FB-DIMM DDR2 667Mhz memory, 3 x PCI-E slots and dual Gigabit LAN standard.

The Stirling 444 quad-core Xeon server includes 5 hot-swappable disk drives that can deliver 5TB of SATA storage space or up to 2TB of **SAS storage capacity**.

Reliability

Aberdeen brings an industry leading **5-year warranty** to the table with every fully configured rackmount server. Our custom configured rackmounts and along with our pre-configured Stirling line of rackmount servers come with a 5-year warranty standard unlike of some other companies 1 or 3 year warranties. Take advantage of the speed, storage and security of the **Stirling 444** and configure yours today.

Aberdeen C.A.R.E.S.

We offer a free 30-day trial assessment program on completely configured servers. We are so confident that once you try one of our custom configured rackmount servers you will not only be completely satisfied with the evaluation unit but will choose Aberdeen to fulfill all your future rackmount server needs. Click here or call for a full description of how the **Aberdeen CARES** program works.

SUPERSERVER 8045C-3RB 4U QUAD-CORE XEON MP SERVER

MANUFACTURER PART#	SYS-8045C-3RB **BLACK RACK**
ABERDEEN PART#	MB6229
PROCESSOR	Quad Socket 771 Quad-Core and Dual-Core Intel® Xeon® MP processors 7300/7200 sequence (Tigerton) with 50W / 80W / 130W processor support 2 x 2M / 2 x 3M / 2 x 4M Shared L2 Cache
CHIPSET	**Intel® 7300 (Clarksboro) chipset** **1066 MT/s FSB**
SYSTEM MEMORY	**24 x 240-pin DIMM sockets** Supports **up to 192 GB** 667 / 533MHz DDR2 ECC FB-DIMM memory Dual branch memory bus **Memory must be populated four at a time.**
ON BOARD I/O	1 x Floppy Controller 2 x Fast UART 16550 compatible serial ports 2 x USB ports (2xRear + 2xInternal Headers) PS/2 keyboard and mouse ports Parallel Port
ON BOARD SAS	**LSI 1068E SAS Controller** Host RAID 0, 1, & 10 support SAS/SATA Subsystem **5x Hot-swappable SAS/SATA Drives w/ SGPIO** SAS backplane provides power, bus termination
ON BOARD LAN	**Dual Gigabit LAN Ports (Intel 82575EB)** 2 x 10/100/1000 ports
ON BOARD VGA	ATI ES1000 32MB Graphics
PCI EXPRESS	PCI Express Graphics Provides Over 3.5X More Bandwidth than Previous AGP8X Graphics Solutions Concurrent bandwidth sends signals in and out simultaneously, resulting in ultra-smooth high definition video. With 500 MB/s concurrent data transfer, PCI Express* I/O products like Gigabit LAN devices also enjoy over 3.5 times more theoretical bandwidth compared to PCI at 133 MB/s.
PC HEALTH MONITORING	4 Onboard voltage monitors for CPU 8 Fan status Environmental temperature monitor and control Chassis and CPU overheat alarm, LED indication and control System resource alert Supermicro System Management utility Intelligent Platform Management Interface (IPMI) ver. 2.0 option
BIOS	8Mb Flash EEPROM with Phoenix® BIOS BIOS rescue recovery feature, Hardware BIOS virus protection Console redirection, PXE headless support
EXPANSION SLOTS	4 x Expansion Slots 1 (x8) PCI-E slot (x16 slot) 1 (x8) PCI-E slot (x8 slot) 1 (x4) PCI-E slot (x8 slot) 1x 64-bit 133MHz PCI-X (3.3V) slot
BOARD SIZE	Extended ATX
EXPANSION BAYS	1 x 3.5" drive bay 2 x 5.25" Peripheral Drive Bays 1x 5.25" Bay For Floppy Drive 5 x 3.5" SAS/SATA hot-swap drive bays
CHASSIS FEATURES	19" rackmount ATX (4U height) - CSE-748TQ-R1200B **1200W High Efficiency Redundant Power Supply** Auto-switching 100/240 AC power Optimized air flow 3 x 5,000 RPM Hot-Swappable Fans 3 x 5,000 RPM Rear Exhaust Fans LED indicators for power on, network activity, IDE HDD activity Power ON/OFF and system reset switches Chassis intrusion switch
WARRANTY	*Aberdeen includes a **5-YEAR WARRANTY** on all complete rackmount servers. A fully configured rackmount server consists of; rackmount chassis, motherboard, processor, cooling equipment, memory and hard disk drive all assembled and included in one purchase. For more please see our Terms Page.

Click image for larger versions.

Includes 1 x 3.5" floppy drive

system configurator
CUSTOM CONFIGURE A SYSTEM WITH THIS RACK!