

Blade Killer



2 Quad-Core Servers in 1U

UNPRECEDENTED:

The innovative 1U twin Aberdeen Stirling 122 features dual-node servers in a 1U chassis. The "Blade Killer" effectively is 2 individual servers housed in a standard sized 1U chassis which is ideal for deployments requiring high performance computing. The customizable "Blade Killer" gets its moniker since it can deliver up to 84 nodes (672 processor cores) in a rack cabinet compared to just 56 nodes in the more rigid designed blade servers. All with a **5-Year Warranty**.

Features and benefits:

- **Higher Density than Blades**
 - Two dual quad-core servers in a single 1U
 - Up to 84 nodes / 672 processor cores in a 42U rack
- **Lower Power**
 - Superior power utilization
 - Increased power supply efficiency
- **Reliability**
 - High redundancy clusters
 - Independent servers w/o single points of failure found in blade solutions
- **Lower Cost**
 - Substantially lower cost than blade solutions
- **Cooling**
 - Individually cooled 1U chassis vs. several blades in a single large chassis
- **Complete Customization**
 - Every node is considerably more customizable than blades
- **Hot Swappable**
 - Swap individual disks instead of entire blades
 - Swap an entire dual server without network flow interruption
- **Standardization**
 - Industry standard architecture
 - No proprietary blade or backplane architecture

The Blade Killer features the Intel 5000P chipset which enables multi-core processing. The performance optimized Quad-Core Intel® Xeon® (Clovertown) processor 5300 series yields 40% more performance (versus dual core) in the same server platform and will only consume a maximum of 65 watts. This Stirling 122 1U Twin server delivers the greatest computing power available and comes standard with a 980W power supply and up to 32GB of capacity per node. Perfect solution for virtual servers, cluster computing and rendering farms.

PROCESSOR (PER NODE)	Dual Socket - Quad-Core and Dual-Core Intel® Xeon® processors Twin Nodes allows for up to 4 processors and 16 cores in 1U.
CHIPSET (PER NODE)	Intel® 5000P (Blackford) chipset 1333 / 1066 / 667 MHz FSB
SYSTEM MEMORY (PER NODE)	8 x 240-Pin DIMM Sockets Up to 32GB DDR2-667/533 FB-DIMM (Fully Buffered) ECC
ON BOARD SATA (PER NODE)	Intel ESB2 SATA2 Controller - RAID 0, 1, 5, 10 support 4 hot-swap SATA drive bays 1U SATA Backplane provides power, bus termination
INFINIBAND OPTION (PER NODE)	Infiniband MT25204 20Gbps Controller Version Available Optional Mellanox MT25204AD-FCC-D Single-Port
EXPANSION SLOTS - (PER NODE)	1 (x8) PCI-e slot
BOARD SIZE - (PER NODE)	16" x 6.5" (40.6cm x 16.5cm)
CHASSIS	19" rackmount ATX (1U height) - SC808T-980B Height 1.7" (43mm) x Width 17.2" (437mm) x Depth 27.75" (705mm) 980W AC power supply w/ PFC 6 x 6-pin Counter-rotating Cooling Fans(3 per node)

Blade Killer on the Loose

Aberdeen Sets Free the Dual Node Server upon the Blade Market

Santa Fe Springs, California - Aberdeen, the Custom Server Solution Provider, releases the Stirling 122T or better known as the Blade Killer. The innovative **Aberdeen Blade Killer** effectively is 2 individual servers housed in a standardized 1U chassis, which is ideal for deployments requiring high performance computing, virtual servers or video rendering farms.

"The customizable Blade Killer delivers a high performance computing density which translates into 672 processing cores in one 42U rack," says Jack Tateel, VP of Sales for Aberdeen. "Can your blade do that?"

The truth about blade servers is that they are not always the best solution. For example and probably most endearing, blades typically have inflated acquisition costs that are easily 40-50% of TCO. Unfortunately, the blade server market has a complete lack of standardization, which means that most blade servers are not as flexible as the Blade Killer and simple tasks like quickly installing an extra RAID card to attach a storage server is not possible.

The Aberdeen Blade Killer is an innovative 1U rackmount server designed to increase computing density and flexibility while reducing cost and space requirements. With effectively two separate systems (or dual nodes) within a 1U space, the Blade Killer can support up to 16 processor cores with each node housing dual Quad-Core Intel® Xeon® 5300 (Clovertown) processors. By combining two dual processor nodes into a 1U, the Blade Killer can deliver up to 84 nodes in a rack cabinet compared to just 56 nodes in the more common non-standardized blade servers.

The early customer reviews of the Blade Killer are creating quite the industry buzz. Vince Fornito, IT Administrator of Amtech & Futura Services states "The Stirling 122T is a compelling product." Vince also mentions, "The cost, density, and performance are at the top of the class. I cannot purchase a single server or blade that can compare in any of those areas."

Each node of the dual-node Blade Killer offers dual processors, dual hot-swap SATA drives, up to 32GB of DDR2 memory, a shared power supply for higher cost savings and better power savings and an industry leading 5-year warranty. This powerful server also is available with InfiniBand onboard for the fastest of connectivity, which can be crucial for the digital media, video editing and HD industries. The release of the Blade Killer spells the end for the ill-fated blade server revolution and IT Managers now have an alternative source for cluster computing and CGI rendering server farms.

Availability and Support:

The **Stirling 122T**, Blade Killer 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.

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.

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