

## **Angstrom Microsystems™ Selects Chelsio Communications™ For iSCSI Storage Solutions**

### **High-Performance iSCSI Networking Enables Cost-effective SAS and SATA-II Storage Solutions for the Media and HPC Visualization Markets**

**November 11, 2006**— Angstrom Microsystems today announced it has selected Chelsio Communications, Inc. as its partner to deliver high-performance iSCSI storage solutions to the media and HPC visualization markets. As HDTV use becomes more widespread, high-performance and cost-effective iSCSI storage solutions will be increasingly deployed to replace costly Fibre Channel networks and storage arrays in the film and TV production, post-production and broadcast industries. HPC visualization will also benefit from this latest-generation iSCSI technology since it enables cost-effective viewing of full-resolution HDTV imagery across inexpensive IP networks.

Angstrom Microsystems will be demonstrating HDTV content playback from its iSCSI Storage Array in Booth 1413 at the 2006 Supercomputer Conference beginning today in Tampa, FL.

Angstrom Microsystems, an AMD Opteron™ processor specialist, provides blade, server and workstation solutions uniquely designed for the media and HPC industries. With a client list that includes the top Hollywood studios in the world, more than 50% of special effect and animation movies utilize Angstrom technology.

Chelsio is the recognized leader in high-performance 10Gb and multi-port Gigabit Ethernet adapters. The company provides the industry's first 10Gb storage accelerator. Along with a full commercial-grade iSCSI protocol stack, Chelsio's Unified Wire adapters are considered the best 10Gb and multi-Gb adapters in the market.

“Chelsio's T204 Quad Port Gigabit Ethernet Protocol Engine provides very high performance and support for iSCSI target protocol and network acceleration. Its ability to support jumbo frames and quad port aggregation in a 64-bit environment dramatically improves network performance compared to first generation single-port iSCSI accelerators,” said Lalit Jain, CEO of Angstrom Microsystems, “This network performance allows us to play or record uncompressed full-resolution HDTV content across inexpensive Gigabit IP networks. It dramatically reduces the cost of HDTV storage networks compared to existing Fibre Channel networks.”

“As 10 Gigabit Ethernet becomes more widely deployed, the same iSCSI protocol acceleration can be leveraged in iSCSI targets and initiators to enable multiple uncompressed HDTV streams to be networked between storage, servers and client systems. We are very pleased to work with a cutting-edge technology provider such as Chelsio,” continued Jain.

“We are pleased to have Angstrom Microsystems, a leader in HPC visualization and HDTV, select Chelsio for their 10Gb iSCSI connectivity,” said Kianoosh Naghshineh, president and CEO of Chelsio. “Angstrom recognizes the quality and network performance of our iSCSI protocol acceleration and we look forward to collaborating further on the development of this technology.”

Angstrom’s iSCSI storage solutions span a range of system configurations and capabilities. iSCSI Storage Arrays are available in 2, 3 or 4RU footprints and can support either Serial Attached SCSI (SAS) or Serial ATA (SATA-II) hard disk drives. Single chassis storage capacity can range from several terabytes using high-performance 15K RPM SAS drives to over 18 terabytes using high-capacity 750GB SATA-II drives. Also, RAID 0, 1, 5, 6, 10, 50 or 60 data protection schemes are available per chassis allowing users to optimize their performance versus data protection on an array basis.

Angstrom’s iSCSI Storage Arrays are compatible with both 32 and 64-bit versions of the Linux and Windows operating systems. Client workstations can dramatically expand their local storage capacity by hosting the iSCSI initiator protocols on their CPUs or gain improved storage throughput via iSCSI offload accelerators. High-throughput and high-capacity iSCSI Storage Arrays attached to Linux or Windows servers can provide remote Network Attached Storage (NAS) to hundreds of client workstations by hosting Common Internet File System (CIFS) or Network File System (NFS) file services over local (LAN) or wide area (WAN) networks.

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**About Angstrom Microsystems ([www.angstrom.com](http://www.angstrom.com))**

Angstrom is one of the top AMD Opteron™ server specialists in the HPC and Hollywood special effects industry. Its customers include Akamai Technologies, NIH, NASA, Pixar, Lucas Films, Sony Imageworks, Rhythm & Hues and Digital Domain. Angstrom has earned a reputation for quality, service, and engineering innovation in the AMD Opteron market. Its high performance AMD Opteron™ processor-based blade servers lead the industry in quality, price and performance.

**About Chelsio Communications ([www.chelsio.com](http://www.chelsio.com))**

Chelsio Communications is leading the convergence of networking, storage and clustering interconnects with its robust, high-performance and proven Unified Wire acceleration technology. Featuring a highly scalable and programmable architecture, Chelsio is shipping 10-Gigabit Ethernet and multi-port Gigabit Ethernet adapter cards with protocol offload, delivering the low latency and superior throughput required for high-performance computing and storage applications. For more information, visit the company online at [www.chelsio.com](http://www.chelsio.com).