

The Tinker's Toolbox - Jon Devlin of LSI on Next-Generation Networks

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Hosted by Alix Paultre, the Tinker's Toolbox is the Advantage Design Group's web-based interview show where we talk about the latest technology, components, and design issues for the electronic design engineering community.



In this podcast we talk to Jon Devlin, Director of Ecosystem Enablement for the Networking Components Division of LSI about high-performance next-generation networks. LSI designs semiconductors and software that accelerate storage and networking in datacenters and mobile networks.

[Right-click to download the podcast](#) [1]

Here is a link to the podcast in case the play button is inoperable: [LSI Interview](#) [1]

Here is a recent release from the company:

LSI Corporation and Advantech announced the availability of a new Packetarium platform powered by the LSI Axxia Communication Processor. The Packetarium NCP-2110 Network Appliance is designed for caching gateways, enterprise routing, unified threat management and radio network controllers, providing enhanced scalability and integrating seamlessly into systems.

The NCP-2110 Packetarium system is a 1U rack-mountable design that accommodates two front-loadable network interface cards with one 10GbE Ethernet

port each. The throughput capabilities of the dual Axxia Communication Processor board allow OEMs to deliver applications such as enhanced security and in-content aware routing. The NCP-2110 has 20 Gbps of IPSEC throughput and 6 Gbps of deep packet inspection performance for protocol analysis to extend service and network integrity. Additionally, I/O expansion is made possible via a standard PCIe x8 slot, making the Packetarium NCP-2110 an extremely flexible platform for network equipment OEMs requiring a broader range of connectivity options.

“The rapid growth of media traffic is putting extreme pressure on today’s wireless and enterprise networks,” said Franz Wei, vice president, Advantech. “The Axxia Communication Processor enables OEMs to design low-power, next-generation 4G equipment that has the performance, network intelligence and built-in security to handle this growth.”

The Packetarium NCP-2110 leverages LSI’s expertise in networking silicon, allowing OEMs to deliver a robust networking acceleration solution with increased intelligence and faster time to market. The Axxia Communication Processor features four powerful PowerPC cores that deliver industry-proven packet classification, low latency, advanced traffic management and greater deterministic performance. The Axxia Communication Processor’s Virtual Pipeline technology delivers deterministic line rate performance for security processing and deep packet inspection.

“In today’s network environments, OEMs must offer solutions that address scalable throughput requirements, provide differentiated value and offer the flexibility for future evolution,” said Jim Anderson, senior vice president and general manager, Networking Components Division, LSI. “Our collaboration with Advantech leverages the latest features of the LSI Axxia Communication Processor to deliver innovative solutions that address the requirements of networking OEMs.”

Prototypes of the Packetarium NCP-2110 will be available first quarter, 2012.

www.advantech.com [2]

www.lsi.com [3]

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Links:

[1] <http://www.ecnmag.com/sites/ecnmag.com/files/legacyfiles/ECN/Multimedia/Audio/2011/12/LSI.MP3>

[2] <http://www.advantech.com>

[3] <http://www.lsi.com>