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Exar's DX2040 Doubles Hadoop Performance

New PCI-Express Add-in Card Reduces Storage Costs by 90%

FREMONT, Calif., Oct. 13, 2014 /PRNewswire/ -- Exar Corporation (NYSE: EXAR), a leading supplier of high-performance integrated circuits and system solutions, today expanded its market-leading portfolio of compression and security solutions with the shipment of the DX2040 compression and security acceleration card. Targeting data analytics, storage, and cloud security markets, this low-profile, half-length eight lane PCI-Express 3.0 card accelerates Hadoop applications by a factor of 2 while simultaneously reducing storage costs.

The DX2040 offloads computationally intensive compression and security algorithms from a host CPU, reducing costly I/O bottlenecks and enabling maximum system throughput while optimizing storage efficiency. Leveraging Exar's XR9240 compression and security co-processor, the DX2040 delivers 40 gigabits/second of simultaneous compression, encryption and hashing while providing compression ratios comparable to level 9 gzip. In addition, the high performance public key engine delivers 40,000 operations per second of RSA with 2048 bit keys.

Seamless Hadoop Integration and Acceleration
Exar's hardware accelerated compression solution for Apache Hadoop, AltraHD, has been enhanced to support the DX2040. AltraHD integrates seamlessly into the Apache Hadoop software stack and automatically compresses all files using the Hadoop Distributed File System (HDFS), as well as all intermediate data. The upgraded AltraHD integrating the DX2040 provides up to 2x the performance and 90% reduction in storage costs over native Hadoop.

"AltraHD running with the DX2040 provides the perfect solution to maximize efficiency for Hadoop clusters," said Robert Reiner, director of data compression and security, Exar. "In addition to increasing performance up to 2x and providing massive savings in storage capacity, Exar's single pass transform architecture enables hardware accelerated encryption for free."

Additional Information
Exar will be demonstrating the DX2040 at Hadoop World booth 125 in New York on October 16-17th. To request a meeting please email press@exar.com.

Additional information is available online at http://www.exar.com/data-compression/data-security-and-compression/dx-series/dx2040.

About Exar

Exar Corporation designs, develops and markets high-performance integrated circuits and system solutions for the Communications, High-End Consumer, Industrial & Embedded Systems, and Networking & Storage markets. Exar's broad product portfolio includes analog, display, LED lighting, mixed-signal, power management, connectivity, data management, and video processing solutions. Exar has locations worldwide providing real-time customer support. For more information about Exar, visit http://www.exar.com.

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