



## **Intel and Open-E cooperate on Intel® Storage Server SSR212MC2 - Storage Solutions**

Open-E's latest product Data Storage Solution (DSS) is the most recent achievement of the company's technological collaboration with Intel. Starting in 2005, this engagement has earned Open-E a top rank among Intel-recommended software vendors for storage solutions just one year later. Key factor for Intel when choosing Open-E as a software and storage partner was the company's offering of high-performance, inexpensive and easy-to-use software solutions dedicated to Small and Medium Businesses (SMBs). By working closely with Intel, Open-E is now able to integrate future Intel technologies even earlier into its storage software

Open-E cooperates with Intel mainly on five core technologies:

- Intel® I/O Acceleration Technology (I/OAT),
- SAS / SATA RAID
- Support for the enclosure management features of Intel® Storage System SSR212MC2,
- Intel® Multi-Core architecture,
- Intel® iSCSI Boot.

### **High-Speed Data Throughput**

Intel I/OAT boosts data transfer in IP-based networks by accelerated data processing in the TCP/IP stack as well as through dedicated hardware-based optimizations of the latest generation Intel® Xeon processors. These enhancements include faster network data processing with network flow affinity and optimized, direct memory access with asynchronous low-cost copy.

For more information, please visit: [www.intel.com/go/ioat/](http://www.intel.com/go/ioat/)

Current processor generations based on Intel Multi-Core architecture additionally increase application performance, scalability and reliability, and provides applications with more memory (RAM). Open-E exploits these benefits of multi-core processors by having its software optimized for parallel processing (multi-threading).



### **All-In-One Storage Solution**

In addition, Intel offers a complete hardware solution including a SAS / SATA RAID controller specifically designed for setting up storage solutions such as Network Attached Storage (NAS), Storage Area Network (SAN) or Direct Attached Storage (DAS): The Intel® Storage System SSR212MC2.

The SAS/SATA RAID makes possible to use SAS RAID array for high # of IO/s for transactional processing and SATA RAID with high streaming speed for data backup or video and imaging applications. This system includes dedicated enclosure management features for efficiently managing and controlling storage solutions. Combined with Open-E Storage Software (NAS / iSCSI), system builder and system integrators get a high-performance, fine-tuned all-in-one storage solution which additionally requires only hard drive and RAM to manage up to 9TB storage capacity.

Intel iSCSI Boot enables the Intel® Pro/1000 family of PCI-Express Server Adapter to boot from a remote iSCSI disk volume located on an iSCSI-based SAN. Having an integrated, bootable iSCSI target, pre-operating system, this solution is ideal for diskless workstations and servers.

For more information, please visit:

<http://www.intel.com/support/network/adapter/pro100/sb/cs-023748.htm>