# Intel® SSR212MC2 and Open-E™ Flexible storage solutions

## with Intel® SSR212MC2 and Open-E DSS

### Challenges for your storage system

How can companies maintain a grasp on constantly increasing requirements for memory and performance without investing a fortune in storage systems? Companies of all sizes are put under pressure by rapidly increasing costs, strict legal requirements for data archiving, and process management problems.

### The solution: Intel® SSR212MC2 and Open-E DSS

Especially for small and medium-sized businesses, Intel offers the ideal storage platform SSR212MC2 based on the high performance Intel® Xeon processors with Intel® I/O Acceleration Technology. Intel also recommends the innovative storage software Open-E Data Storage Server (DSS).

With Open-E DSS, customers get an operating system that is tailored to, and certified for, the storage platform Intel® SSR212MC2. Through this comprehensive support of the platform, customers can fully exploit all possible benefits and secure a business advantage for themselves.

Regardless of whether they decide in favour of network attached storage or a storage area network, with the Open-E Data Storage Server they can easily set up a storage strategy that is best suited to their needs.

And you will love the advantages: your backups will run fluidly and quickly, and you will be able to restore data in a fraction of the time previously spent. The complete control of all tasks is carried out via the unique Open-E web interface. You can once again concentrate on your core business quickly and without any detours.

### Intel® SSR212MC2: Standardised storage platform

A tailored storage strategy is the driver for streamlined processes in your company. With high performance multi-core processors, Intel provides exactly the right foundation for your applications and users. The integrated Intel® I/O Acceleration Technology eliminates bottlenecks in your network in a targeted fashion.

Due to the simple use of standard components (SATA, SAS, and RAID), the Intel® SSR212MC2 is especially interesting for small and medium-sized businesses. It is thereby possible to use up to 12 SATA or SAS hard drives, even as a mixed assembly. With the flexible use of Intel® Gbit network interface cards, Intel® RAID controllers, and Intel® iSCSI-boot cards, the storage server is well equipped for all practical requirements.

### Open-E DSS: The certified storage software

Open-E Data Storage Server, the compact and reliable storage operating system, stands out from other solutions due to its numerous unique selling points:

It is delivered entirely preinstalled and preconfigured on an internal USB-DOM (disk-on-module) flash module, which is plugged into the server system. There are no complex

installation routines. You can start right away and begin the set up of your systems to support NAS or SAN.

The Open-E Data Storage Server recognises the complete hardware and automatically installs the drivers of the SAS and RAID controllers, FC-HBAs, and Ethernet cards. The flexible foundation of the operating system ensures fast, stable, and even more secure operation. Via the intuitive web interface, even the setting up of complex storage systems remains simple and clear.

## The top features

**Simple installation,** administration and monitoring of the memory systems; you only need to plug an already preconfigured internal USB flash module into the server Motherboard.

**Simple administration:** Regardless of whether NAS, SAS, backup, replication, or a system snapshot, with the innovative web interface of Open-E DSS, the setting up of storage solutions becomes child's play.

**High performance:** Thanks to the excellent support for the newest Intel technologies such as Multi-Core, I/OAT, and Advanced Smart Cache, the certified Open-E DSS draws out the leverage of these technologies to improve system performances.

**Exceptional scalability** is achieved through the support of industry standards and the tested support of versatile hardware components for RAID or SAS.
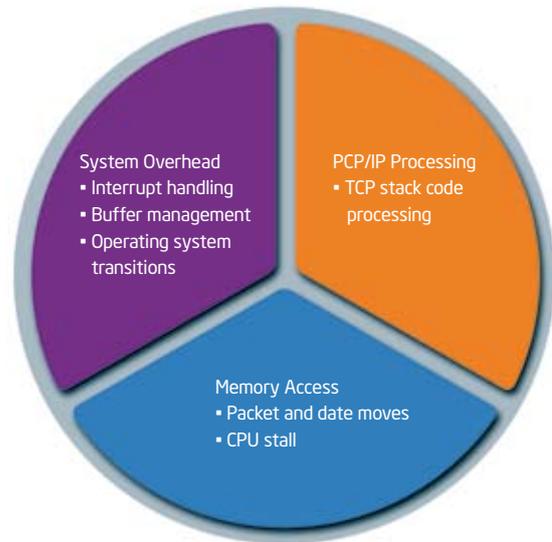
**Solid security** is attained through comprehensive back up/restore functions and the separation of the operating system and user data.

**Professional support:** The close co-operation between Intel and Open-E pays for itself with extensive know-how, which the support specialists are pleased to pass on to you as the customer.

*Open-E DSS for top performance: The operating system uses the most up-to-date hardware technologies of the Intel® Multi-Core processors, for example, Intel® I/O Acceleration Technology. This means secure storage systems that can be expanded quickly and flexibly.*

## The advantages for your business

**More flexibility:** Due to the flexible expandability with standard components such as SAS-/SATA hard drives and RAID controllers, as well as the setting up of NAS or SAN, customers can compile build their own individual memory solution. The possibilities extend from file server services to high-availability storage for databases.



Intel I/OAT reduces system overhead and memory access, while optimising the TCP/IP processes.

**Better scalability:** Be fully equipped today for the storage requirements of tomorrow. With Intel® SSR212MC2 and Open-E, your customers can start small (for example with NAS) and expand step-by-step (for example FC-SAN). The storage solution grows with the requirements of the processes. Thus, for instance, you can expand the supported hard drive Capacity with additional license keys of 4, 8, 16, 32, or 64 TByte.

**Higher performance:** Thanks to the extensive performance potential of the Intel Multi-Core architecture with Intel® I/OAT and the broad support of Open-E for this technology, the SSR212MC2/Open-E team accelerates data throughput processes.

**Integrated security and increased availability:** Broad support for RAID, backups, replication, snapshots along with the resistent, preconfigured operating system Open-E DSS are fundamental for data security. The strict separation of the operating system and user data also provides protection against the spreading of viruses.

**Low costs:** Through the simple use of standard components, customers can compile an optimal storage system at an affordable price, for example, starting with affordable SATA hard drives and later converting to high-performance SAS data carriers. The easy commissioning and administration also removes a burden from the time budget of your IT department.

Your personal Intel Channel Account Manager is looking forward to help you plan and realise the right storage environment for you.