

Product Brief

Intel® Entry Storage System SS4200-E



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Flexible, reliable, powerful, easy to use storage solution for small business, small office/home office, and home networks

Product Overview



The Intel® Entry Storage System SS4200-E is a complete yet flexible hardware and software Network Attached Storage (NAS) solution that instantly adds storage capacity to small business, small office/home office (SOHO), and home networks. Powered by software from EMC*, the worldwide leader in Information Management, the SS4200-E offers an intuitive user interface and an easy four-step setup process. Out-of-the-box RAID and Retrospect* backup software together deliver the necessary security to protect irreplaceable digital data like business files, photos, videos, and music libraries. With four USB 2.0 ports and four SATA ports (3 Gb/s), the SS4200-E is a powerful system that can be connected to most digital devices as well as business and home networks, for shared, centralized data access.

The Next Big Storage Opportunity: Small Office, SOHO, and Home Networks

In-Stat estimates that by 2009, the average person will have nearly one terabyte of digital data—data that is usually stored on a local hard drive or even on a specific device, such as a camera. This astounding growth rate is the side effect of our now-digital lifestyle, which includes both the paperless office and the digital home. We now use a variety of digital tools in the workplace, including PCs, PDAs, and industry-specific digital devices like medical imaging or surveillance systems. Our homes are no different, with digital cameras, video recorders, digital music players, networked gaming consoles, and home PC networks.

Even so, small businesses and consumers have so far been left out of the network storage fast growing trend. High cost, complexity and a lack of small-network solutions are all to blame. But these neglected market segments have a critical need to improve data availability to multiple users. And because most operate without dedicated IT support, few properly protect their data with backup.

For these reasons, industry experts believe that small office and home networks are ripe for network storage. They now need—and want—solutions that are of enterprise quality but of a cost and function that fits their environment. Accordingly, these experts predict strong demand for small business and digital home storage and data protection solutions for many years to come.

The Intel Entry Storage System SS4200-E is the ideal solution for this market segment. It's easy to use, flexible, reliable, and powerful—all in a package that can be customized by you to fit in with your product line and meet your customers' needs.

1. IN-STAT, Study on Consumer Network Storage, March 2007.





Easy to Use

The Intel Entry Storage System SS4200-E will instantly and easily add capacity to a home or small business network. All PCs and networked devices are supported, including Apple computers and devices. Through an automatic, easy four-step configuration process, users will have a single, centralized location for the storage and protection of their valuable digital data. With one point of access, all users can easily share material without having to maintain separate copies on each networked machine.

With up to four USB 2.0 ports, users may also gather and share their peripheral devices. Centrally stored games, video and other multimedia applications can be streamed to networked devices such as the Xbox 360*, Wii*, or MP3 networked devices. The system software will instantly recognize and support most standards-compliant hardware that is added to the network.

Protected and Reliable

Out-of-the-box RAID and Retrospect backup software together provide the necessary protection for all users' most important data. The Retrospect software automatically backs up all networked hard drives to the SS4200-E, which is then additionally protected by RAID technology. The security and data protection features can be configured to provide automatic notification when something goes wrong—before valuable data is lost. The Intel three year warranty and support, coupled with Intel quality engineering and validation provide peace of mind.

Flexible

The SS4200-E was designed with flexibility in mind, allowing you to customize and differentiate your solutions. Change the flexible shell design to fit into your existing product portfolio, and customize the user interface with your own logo so that the product is uniquely yours. You can add various capacities of hard drives for varying capacity solutions. Or include peripheral devices that appeal to your customers.

Powerful

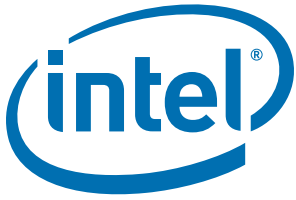
The basic system comes with an industry leading Intel® Celeron® processor 420 at 1.6 GHz for high performance and power efficiency. There is enough headroom to accommodate as much as three terabytes of data in a RAID 5 configuration. It's the power and flexibility you need to deliver the features your customers demand.

Intel® Entry Storage System SS4200-E Specifications

Features	Benefits
Intel® Architecture Processor	High performance with power savings
Four Tool-less Drive Retention Bays	Easy access and expansion
E-SATA support to expand beyond four hard disk drives	Scalable, expandable system
Disk-on-module socket	Options for software and server recovery
Flexible shell design, and memory options	Allows for OEM customization and product differentiation
Full turn-key solution with hardware and software	Tested product can be launched with minimal effort
Will be available in 11 localized languages	Deliver a truly global solution, localized for important emerging markets such as Russia and China
Three year warranty	Quality and guaranteed reliability

Hardware Specifications	
Processor	Intel® Celeron® Processor 420 running at 1.6 GHz
Memory	DDR2 512 MB
Flash	DOM Socket provided on board
HDD	Supports up to four 3.5" SATA (3.0 Gb/s) Hard Disk from 80 GB to 1 TB
Network	One Intel® Gigabit LAN port
USB	4x USB 2.0 connectors
EMI safety	CE/FCC Class B
System power	250W PSU
Operating temperature	From 10°C to 35°C (50°F to 95°F)
Non-operating temperature	From -40°C to 70°C (-40°F to 158°F)
Non-operating humidity	Up to 90% non-condensing humidity at 35°C (95°F)

Software Specifications	
Connection/Ethernet	1 Gigabit Ethernet port
Drive hot swap	No
Client backup support	Windows,* Mac*
Client access	Windows, Mac
Browsers supported	Windows Internet Explorer,* Firefox,* Opera,* Konqueror,* Wii,* Windows Mobile Internet Explorer,* PSP,* Nokia N800,* Safari*
SSL for browser-based interface	Self generated certificate, 128-bit encryption key
Integrated backup software	EMC Retrospect for Microsoft Windows and Apple Mac
Media services supported	uPnP AV/DLNA, Xbox 360,* PS3,* iTunes,* FrontRow,* Roku,* PSP
Built-in content indexing	Index and search document contents in the following MIME formats: Text (txt/.text), HTML (html/.html/.shtml/.php), MS Word (doc/.dot) MS Excel (xls) MS PowerPoint (ppt) Adobe PDF (pdf)
Peripheral support	USB 2.0, eSATA, digital cameras, iPods*
Active directory support	AD Member Server, Single Sign-On, Authentication by Domain Controller, Automatic Private Share Creation, Automatic Time Synchronization with Domain Controller
Administrator access	Multiple simultaneous administrator users accounts
Protection level	No-touch automatic RAID 5, RAID 10, and 2-drive RAID 1
Power savings/management	UPS support, drive spin-down capabilities for power-saving mode
Supported services	Picture Transfer Protocol (PTP), File Transfer Protocol (FTP), Simple Network Management Protocol (SNMP), Common Internet File System (CIFS)
E-mail events	Yes
Physical device monitoring, error notification	CPU temperature, fan status, disk status, voltage monitoring, E-mail notification
Localization	System software: Language support for English, Spanish, Portuguese, French, Italian, Japanese, Korean, Simple Chinese, Traditional Chinese, German, and Russian. Support for all time zones. Retrospect: Support for six languages on Windows – Japanese, English, Spanish, French, German, and Italian. Support for four languages on MAC – Japanese, English, French, and German.



www.intel.com

For additional information about Intel® Storage Server SS4200-E, visit:
www.intel.com/design/servers/storage/ss4200e/index.htm

For general storage product information, visit:
www.intel.com/products/server/storage/index.htm

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Printed in the United States. 1107/SMJ/HBD/PDF 318482-001US