
Intel® Entry Storage System SS4200-E

Spares / Parts List & Configuration Guide

A reference guide to assist customers in ordering the necessary components to configure the Intel® Entry Storage System SS4200-E

Rev 2.1
Subject to Change

March 2008



Change History:

11/01/2007 Rev. 1.0:

Final Revision before Product Announcement

12/01/2007 Rev. 2.0:

Final Revision before Product Launch

3/5/2008

Update after Product Launch

Disclaimer

Information in this document is provided in connection with Intel® products. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Intel's Terms and Conditions of Sale for such products, Intel assumes no liability whatsoever, and Intel disclaims any express or implied warranty, relating to sale and/or use of Intel products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright or other intellectual property right. Intel products are not intended for use in medical, life saving, or life sustaining applications. Intel may make changes to specifications and product descriptions at any time, without notice.

**Other brands and names may be claimed as the property of others. Intel, Pentium, Itanium, and Xeon are trademarks or registered trademarks of Intel Corporation.*

All products, dates, and figures are preliminary and are subject to change without any notice.

Copyright © Intel Corporation 2005.

Production Configurations

Base Unit Description

This section contains information needed to order and configure a production SS4200-E. The unit is shipped as a complete, fully integrated, system. The base system includes software to backup multiple clients.

The SS4200-E storage system contains the following:

- Intel® Entry Storage System SS4200-E
- Ethernet Cable
- Resource CD
- Printed Quick Start Guide

Production System Codes

Product Code	MM #	UPC	Description
SS4200E	893157	735858199568	<ul style="list-style-type: none">• Production SS4200-E unit. Each unit is sold separately.
SS4200ENA	894070	735858199575	<ul style="list-style-type: none">• North America Production SS4200-E unit. Each unit is sold separately.

Production Hardware Spares (Field Replaceable Units)

Product Code	MM #	UPC	Description
FXXSS4200EPSU	895059	735858199032	<ul style="list-style-type: none">Power Supply Spare
FXXSS4200EFAN	895029	735858199056	<ul style="list-style-type: none">Fan Spare

Product Brief

Intel® Entry Storage System SS4200-E

Flexible, reliable, powerful, easy to use storage solution for small business 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 data¹—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.

Hardware Specifications

- Processor: Intel® Celeron® Processor 420 running at 1.6 GHz
- Memory: DDR2 512 MB
- Flash: 256 MB Flash on DOM
- HDD: Supports up to four 3.5" SATA (3.0 Gb/s) HDD's
HDD's not included
Validated HDD's (Refer to THOL)
No Hot Swap Support
- Network: One Intel® Gigabit LAN port
- USB: 4x USB 2.0 connectors
- eSATA: 1 eSATA Port for capacity expansion
- System Power: 250W PSU
- EMI Safety CE/FCC Class B
- 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

- Retrospect 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/.htm/.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.
- EMC Retrospect Support for six languages on Windows: Japanese, English, Spanish, French, German, and Italian
- EMC Retrospect Support for four languages on MACINTOSH: Japanese, English, French and German.

Intel, the Intel logo, and Intel Xeon are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

THE MARKETING MATERIALS AND CONTENT IN THIS DOCUMENT ARE PROVIDED AS EXAMPLES ONLY FOR ILLUSTRATIVE PURPOSES. YOU ARE RESPONSIBLE FOR DEVELOPING AND VERIFYING YOUR OWN MARKETING MATERIALS AND RELATED CLAIMS. INTEL MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS, OR ANY OTHER WARRANTY OTHERWISE ARISING OUT OF THE INFORMATION CONTAINED IN THIS DOCUMENT. INTEL ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF OR ANY ERRORS CONTAINED IN THIS DOCUMENT AND HAS NO LIABILITIES OR OBLIGATIONS WHATSOEVER FOR ANY DAMAGES ARISING FROM OR IN CONNECTION WITH THE USE OF THIS DOCUMENT, INCLUDING BUT NOT LIMITED TO ANY LIABILITY FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL OR INCIDENTAL DAMAGES.

**For general storage product information, visit:
www.intel.com/go/storagesystems**