Intel® Storage Server SSR212MC2

Spares / Parts List & Configuration Guide

A reference guide to assist customers in ordering the necessary components to configure the Intel® Storage Server SSR212MC2 and Intel® Storage Server SSR212MC2R

Revision 1.6
Subject to Change

September 2009

Revision History

Date	Revision #	Notes
4/16/2007	Revision 1.0	Initial Release
5/1/2007	Revision 1.1	Updated Product Configuration Tables (page 4)
6/28/2007	Revision 1.2	Updated new Material Master numbers and UPC codes for ECO1 (per PCN 107668-00)
10/9/2007	Revision 1.4	Added board refresh SKU info including new Material Master numbers and UPC codes.
11/13/2008	Revision 1.5	Updated product code and MM#.
9/18/2009	Revision 1.6	Remove non hot swap fans code and MM# since they are no longer available.

Disclaimer

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Production Configurations

This section contains information needed to order and configure a production Intel® Storage Server SSR212MC2 or Intel® Storage Server SSR212MC2R. The unit is shipped as an integrated hardware platform, which includes the enclosure, backplane, server board fan cooling module, and power supply unit (PSU). Drivers and enclosure management software are included, but the unit does not include an operating system or storage applications—you must add CPUs, hard disk drives (HDDs) and memory.

Base Unit Description

The Intel® Storage Server SSR212MC2 has two SKU options:

- **SSR212MC2R and SSR212MC2RBR:** Ships with the Intel® RAID® controller SRCSAS144E and the Intel® Battery Backup Unit AXXRIBBU1.

- **SSR212MC2 and SSR212MC2BR:** Ships without a RAID controller or Battery Backup Unit (BBU).

The following table lists the details of each SKU configuration.

SSR212MC2R and SSR212MC2RBR (with RAID controller)	SSR212MC2 and SSR212MC2BR (no RAID controller)
1x 2U system chassis (including SAS backplane, cooling module, power supply enclosure) ▪ 1x 850 W power supply module ▪ 1x Intel® Server Board S5000PSLSAS ▪ 1x Intel® RAID Controller SRCSAS144E ▪ 1x Intel® Battery Backup Unit AXXRIBBU1 ▪ 12x Intel hard disk drive carriers (for use with SAS or SATA HDDs) ▪ 1x 2.5-inch HDD internal boot drive enclosure ▪ 2x Boot Drive SATA cables ▪ 4 lane SAS cable	1x 2U system chassis (including SAS backplane, cooling module, power supply enclosure) ▪ 1x 850 W power supply module ▪ 1x Intel® Server Board S5000PSLSAS ▪ 12x Intel hard disk drive carriers (for use with SAS or SATA HDDs) ▪ 1x 2.5-inch HDD internal boot drive enclosure ▪ 2x Boot Drive SATA cables ▪ 4 lane SAS to 4x SATA cable
12x HDD labels	12x HDD labels
1x Rail Kit	1x Rail Kit
1x printed Quick Start Guide	1x printed Quick Start Guide
1x Resource CD	1x Resource CD
1x Torx Driver	1x Torx Driver

Production System Codes

Product Code	MM #	UPC	Description
SSR212MC2R	891934	00735858196581	2U/Twelve 3 1/2-inch SAS/SATA HDD storage server SSR212MC2R chassis **with RAID controller included**. Includes chassis, backplane, ten fans, 850 W power supply, server board BB5000PSLSAS, and RAID controller SRCSAS144E with Intel® Battery Backup Unit AXXRIBBU1.
SSR212MC2RNA	892295	00735858196598	Production SSR212MC2R unit, with North American power cord.
SSR212MC2	891935	00735858196604	2U/Twelve 3 1/2-inch SAS/SATA HDD storage server SSR212MC2 chassis **with no RAID controller.** Includes chassis, backplane, ten fans, 850 W power supply, and server board BB5000PSLSAS.
SSR212MC2NA	892294	00735858196611	Production SSR212MC2 unit, with North American power cord.
SSR212MC2RBR	893519	00735858199063	2U/Twelve 3 1/2-inch SAS/SATA HDD storage server SSR212MC2R chassis **with RAID controller included**. Includes chassis, backplane, ten fans, 850 W power supply, server board BB5000PSLSASR and RAID controller SRCSAS144E with Intel® Battery Backup Unit AXXRIBBU1.
SSR212MC2RBRNA	894040	00735858199070	Production SSR212MC2RBR unit, with North American power cord.
SSR212MC2BR	893628	00735858199087	2U/Twelve 3 1/2-inch SAS/SATA HDD storage server SSR212MC2 chassis **with no RAID controller.** Includes chassis, backplane, ten fans, 850 W power supply, and server board BB5000PSLSASR.
SSR212MC2BRNA	894041	00735858199094	Production SSR212MC2BR unit, with North American power cord.

Supported Processors

For a full list of supported CPUs on the Intel® System Server SSR212MC2, SSR212MC2BR, SSR212MC2R and SSR212MC2RBR, refer to the Supported Processor List on the Intel® System Server SSR212MC2 Product Support website:

http://support.intel.com/support/motherboards/server/ssr212mc2/index.htm

Production Hardware Accessories

PRODUCT CODE	MM #	UPC	DESCRIPTION
AMC850WPS	890400	00735858193856	850 W power supply for the SSR212MC2
AMCSAS300	890438	00735858193863	300 GB 10k RPM SAS hard disk drives for the Intel® SSR212MC2

Production Spares (Field Replaceable Units)

PRODUCT CODE	MM #	UPC	DESCRIPTION
FMCCHASSIS	896728	00735858193887	SSR212MC2 chassis FRU: including backplane, enclosure management card , front panel board, power supply cage
FMCCABLES	890452	00735858193894	SSR212MC2 cable kit, including: BBU cable, boot drive SAS, front panel flex cable, front panel SSI
FMCSAS4XCBL	890454	00735858193900	SSR212MC2 4 lane SAS fan out cable with four 7 pin SATA connectors (mini-SAS to 4x SATA)
FMCSASCBL	890489	00735858193917	SSR212MC2R 4 lane SAS cable (mini-SAS to mini-SAS)
FXSDRVCARR	873884	00735858177726	12- pack HDD carrier set, along with 1 Torx driver and HDD label set
FMCBOOTENCL	896756	00735858193924	SSR212MC2 2.5-inch boot drive enclosure
FMCRAILKIT	890491	00735858193931	SSR212MC2 Rail kit
FMCFANSHS	891941	00735858195560	SSR212MC2 5-pack of hot swap fans with GREEN fan handles
FMCPKG	890500	00735858193955	SSR212MC2 packaging (external box assembly)
FMCSASX	890501	00735858193962	SSR212MC2 SAS expander card
FMCAIRBAFFLE	890502	00735858193979	SSR212MC2 processor and memory air baffles
FMCBBUBRKT	899121	00735858203609	SSR212MC2 Battery Back Up bracket kit. This includes mounting hardware, screws, bracket, and cable.
BB5000PSLSASR	900528	007358196154	10-pack of Intel® Server Board S5000PSLSASR with integrated 4-port SAS, 45nm compat
SRCSAS144E	883470	00735858182621	Intel® RAID Controller SRCSAS144E – PCI Express* x4, 8P (4 int/4 ext) SAS RAID Controller - Intel® 80333 IOP @ 500 MHz, 128 MB embedded memory. RoHS Compliant.
AXXRIBBU1	899374	00735858171649	Battery Backup unit for Intel® RAID controller SRCSAS144E

NOTES
1) Unless noted otherwise, all items are individually orderable.
2) Reference base unit description (page 3) to determine components that initially ship with the Intel® Storage Server SSR212MC2R or SSR212MC2 system.

Additional Required Accessories

Installing operating systems and applications from a CD requires one or more of the following components. Note that Microsoft Windows Server* 2003 and Microsoft Storage Server* 2003 Release 2 require the presence of a floppy drive to install certain device drivers.

- USB CD- ROM Drive (supported devices listed on THOL)
- USB Floppy Drive (supported devices listed on THOL)
- USB Hub (supported devices listed on THOL)

Please choose devices, such as HDDs, adapters, boot drives, and JBODs from the Tested Hardware and Operating systems List (THOL). These devices were verified to be compatible with the Intel® Storage Server SSR212MC2. Also, you can select compatible memory from the Tested Memory List for the Intel® Storage Server SSR212MC2.