

Intel SSR316MJ2 Storage System User Guide

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Intel® Storage System SSR316MJ2

Spares / Parts List & Configuration Guide

A reference guide to assist customers in ordering the necessary components to configure the Intel® Storage System SSR316MJ2.

Rev 1.5

Subject to Change

January 2006



Change History:

8/11/2004 Rev. 0.9: Initial Release

9/13/2004 Rev. 1.0: Updated Base Unit Description

11/29/2004 Rev. 1.1: Removed client-server clustering optional SW

3/17/2005 Rev. 1.2: Added in spares details for CPU cooling solution (fan, heat sink, retention and wind tunnel)

7/12/2005 Rev. 1.3: Moved document from Intel Confidential status

12/27/2005 Rev. 1.35: Corrected error in configuration (removed HDDs & memory, added BBUs)

1/19/2005 Rev. 1.4: Updated document, to reflect "Mt. Jefferson Plus" configuration changes

1/24/2005 Rev 1.5: Added clarification that boxed processor ordered through distribution. Changed the picture. Fixed processor product code.

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Production Configurations

Base Unit Description

This section contains information needed to order and configure a production Intel® Storage System SSR316MJ2. The unit is shipped as a complete, fully integrated, system. The base system includes software; however there are optional software packages available to upgrade the functionality of the unit.

1) The Intel® Storage System SSR316MJ2 contains the following

• Hardware

- 1 x 3U system chassis (including Serial ATA hard disk drive backplane)
- 1 x Intel® Server Board SE7501HG2
- 16 x Intel® hard disk drive carriers (for use with Serial ATA drives)
- 2 x Intel® RAID Controller SRCS28X
- 2 x 700 W power supply modules
- 16 x Serial ATA hard disk drive cable
- 2 x compact flash readers
- 2 x Intel® Xeon™ Processor 3.06 GHz

* See end of this section for specifics on memory configurations. Always consult the Technical Product Specification (TPS) for the latest technical information.

• Software

- SAN management software (installed on unit)
- Storage System Console (remote configuration and management tool)

2) The following optional software packages are offered as accessories for the SSR316MJ2 base unit:

- **Scalability Package:** allows multiple units to pool storage and connectivity resources

- **Configurable Snapshot Package:** allows snapshots to be created automatically
- **Remote Data Protection Package:** offers remote volume copy over IP networks

NOTE: Intel® Storage System SSR316MJ2 memory upgrade guideline –

Required (for functionality): 100 MB plus 200 MB per 1 TB of raw storage installed. Example: for 16 x 250 GB drives, memory requirements = 100 MB + (200 MB x 4) = 900 MB, therefore 1 GB.

Recommended (for optimum performance): 128 MB per 250 GB drive installed. Example: 128 MB x 16 = 2 GB.

Production System Codes

Product Code	MM #	UPC	Description
SSR316MJ2	874024	00735858170000	Production Intel® Storage System SSR316MJ2 (Mt. Jefferson “Plus”) unit.
SSR316MJ2NA	874028	00735858170000	Production Intel® Storage System SSR316MJ2 (Mt. Jefferson “Plus”) unit with North American power cord

Production Optional Software Accessories

Product Code	MM #	UPC	Description
AMJ SWS C **	864204	00735858170116	Scalability Package upgrade for the Intel® Storage System SSR316MJ2. Allows multiple SSR316MJ2 units to pool storage and connectivity resources.
AMJ SWS N **	864205	00735858170123	Configurable Snapshot Package upgrade for the Intel® Storage System SSR316MJ2. Allows snapshots to be created automatically and the physical size of a snapshot to be changed.
AMJ SWR M **	864206	00735858170130	Remote Data Protection Package upgrade for the Intel® Storage System SSR316MJ2. Allows for volumes to be copied to a remote Intel® Storage System SSR316MJ2 unit over an IP network.

** Package is pre-installed on the base production Intel® Storage System SSR316MJ2 and may be used for a 30 day trial period. To continue usage, package must be purchased and software key must be entered into each system individually via the Storage System Console. One license for each of these features can be used on up to 3 Intel® Storage System SSR316MJ2 units in the same management group.

Production Hardware Spares (Field Replaceable Units)

Product Code	M M #	UPC	Description
FMJ CABLES2	8 7 4 4 4 9	0073 5858 1780 20	Complete cable set. Includes 16 SATA cables (custom length to fit Intel® Storage System SSR316MJ2 chassis), 2 IDE cables (for compact flash readers), 1 front panel cable and 3 I2C cables (for Intel® RAID Controller SRCS28X to connect to chassis backplane).
FMJ FRT PANEL	8 6 3 0 1 7	0073 5858 1700 31	Front panel board assembly. Includes front panel printed circuit board with light pipes and compact flash readers.
FMJ BACKPLANE2	8 6 2 9 5 2	0073 5858 1700 48	Backplane assembly for SSR316MJ2 . Includes backplane printed circuit board, power cables and bracket.
FMJ BEZEL	8 6 2 9 5 3	0073 5858 1700 55	Bezel assembly. Includes chassis front bezel and 3 screws.
FMJ PS70 0W	8 6 2 9 5 5	0073 5858 1700 62	Single power supply module (2 ship with each system).
FMJ PDB	8 6 2 9 8 7	0073 5858 1700 79	Power supply distribution board.
FMJ FAN	8 6 3 0 4 2	0073 5858 1700 86	Fan assembly. Includes 1 x 120 mm fan, snap rivet and bracket.

Existing Production Spares & Accessories

Product Code	M M #	U P C	Description
SRC S28 X	8 6 6 2 9 6	0 0 7 3 5 8 5 8 1 7 1 6 2 5	Intel® RAID Controller SCRS28X (5 pack) channel Serial ATA RAID controller. This SKU is orderable by the channel through distribution.
AXX RIB BU2	8 6 2 7 3 1	0 0 7 3 5 8 5 8 1 6 9 1 4 1	Single battery backup unit (BBU) for Intel® RAID Controller SRCS28X
FXX 2DR VCA RBL K	8 3 5 8 5 3	0 0 7 3 5 8 5 8 1 4 6 2 1 0	Single drive carrier.
BX8 0532 KE3 066 DSL 6VP	8 5 4 9 7 7		Single boxed Intel® Xeon™ processor 3.06 GHz. Includes CPU, heat sink, fan, wind tunnel and retention mechanism. This SKU is orderable by the channel through distribution.

SE7 501 HG2	8 5 0 3 5 4	0 0 7 3 5 8 5 8 1 5 8 0 0 8	Single production Intel® Server Board SE7501HG2 (minimum order quantity is 5).
Shop Intel Part Num ber: C91 324	N / A	N / A	Heat sink for 3.06 GHz CPU. Orderable from Shop Intel at http://www.shopintel.com/shop/product.asp?pid=SIPS1005&pfid=123&pinde x=1&mscssid=VBL9QHDPWN6M9G357FB351C7NB89DV1 D (order quantity of 1 – 20 units) Bulk purchasing can be discussed directly with the vendor, Fujikura. Contact Ash Ooe at 408-988-7405 / a_ooe@fujikura.com . Reference Fujikura part number FHP3393 rev F (Intel part number C258 46-002).
Shop Intel Part Num ber: C24 889- 001	N / A	N / A	38 mm fan for 3.06 GHz CPU heat sink. Orderable from Shop Intel at http://www.shopintel.com/shop/product.asp?pid=SIPS1004&pfid=122&pinde x=1&mscssid=VBL9QHDPWN6M9G357FB351C7NB89DV1 D (order quantities of 1 – 20 units) Bulk purchasing can be discussed directly with the vendor, Sanyo Denki. Contact Mamoru Yasui (Moe) at 310-783- 5423 / mamoru@sanyo-denki.com . Reference Sanyo Denki part number 9G0612T1H133 (Intel part number C24889- 001).
Shop Intel Part Num ber: C22 005- 002	N / A	N / A	Processor wind tunnel (PWT) for the 38 mm fan for the 3.06 GHz CPU heat sink. Orderable from Shop Intel at http://www.shopintel.com/shop/product.asp?pid=SIPS1002&pfid=121&pinde x=1&mscssid=VBL9QHDPWN6M9G357FB351C7NB89DV1 D (order quantities of 1 – 20 units) Bulk purchasing can be discussed directly with the vendor, Professional Tool. Contact Ms Mari at 604-332-2335 ext 309 / mari@professional-tools.com . Reference Professional Tool part number PTC22005-002 (Intel part number C22005- 002).
Shop Intel Part Num ber: C62 871- 001	N / A	N / A	Retention kit for the 3.06 GHz CPU heat sink. Orderable from Shop Intel at http://www.shopintel.com/shop/product.asp?pid=SIPS1009&pfid=124&pinde x=1&mscssid=VBL9QHDPWN6M9G357FB351C7NB89DV1 D (order quantities of 1 – 20 units) Bulk purchasing can be discussed directly with the vendor, Foxconn Contact Julia Jiang (or James Hsu in Taiwan) at 408-919-6178 (886-2-2268-3466 ext.1056) / juliaj@foxconn.com (jameshsu@foxconn.com). Reference Foxconn part number 028-1009-071 (Intel part number A746 94-001).

NOTES:

Unless noted otherwise, all items are individually orderable.

References

- [tools.com](https://www.tools.com) | Buy Power Tools and Automotive Parts online
- [User Manual](#)