

# SR9000MK4U

## 4way Dual-Core Intel® Itanium®

### Server

# Configuration Guide

**A quick reference guide to assist customers in ordering the components necessary to configure the SR9000MK4U Server System**



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# SR9000MK4U Configuration Guide

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## SR9000MK4U Feature Dependencies

Feature	Required Hardware for SR9000MK4U
1 to 4 Processors	<b>One processor heat sink</b> and <b>one MVR</b> voltage regulator for each processor, plus 1 Y-cable (two included with a system) for each pair of MVRs.
32 DDR DIMM slots	Two memory riser boxes (8 DIMM slots per box) are included in SR9000MK4U system. Up to two additional memory riser boxes can be installed. Details on DIMM order are provided in the product guide <sup>1</sup> .
8 Hot Plug SAS disk drives	Two SAS drive carriers are included in SR9000MK4U. Requires ½ inch height (slim line), 3.5 inch SAS drives. See Intel's list of supported drives <sup>1</sup> .

## Base System Configuration Guide

### SR9000MK4U

#### MM# 890670

#### 1. Base Systems are configured with the following:

- 1 Chassis (4U, Rack Mount)
- 1 Baseboard (includes: 2 Y Cable and 4 sockets for Intel® Dual-Core Itanium® processor 9000 & 9100 series, aka Montecito-FSB533 and Montvale-FSB533/667 processors. Total 4 processors can be populated.)
- 2 Memory Riser Boxes (2 x 8 DRR2 RAM DIMM sockets, 128GB total memory capacity using 4GB DIMMs. In the future, 256GB using 8GB DIMMs. Total 4 Memory Riser Boxes can be populated.)
- 1 Power Distribution Board
- 1 SAS Hot Swap Backplane
- 1 Front Panel (Operation Panel)
- 2 1390 W Power Supply (Redundant)
- 6 Cooling Fans
- 2 SAS Hard Drive Carriers (On-board SAS controller can support up to 4 HDDs. Total 8 HD carriers can be populated.)
- 1 Front Bezel, (color: Black)
- 1 DVD Drive
- 1 Resource Kit containing the following on CDROM: Documents: Product Guide and Product Quick Start Guide;

#### 2. They do NOT contain the following *necessary* items:

- Processors
- Processor heat sinks
- Processor Voltage Regulators (MVR)
- External Power Cords
- Rack Mount Slide Rail Kit
- Hard Disk Drives
- Memory

#### 3. To order your necessary items, use the following table:

Product Codes	MM#	Min Order Qty	Description
ABHMVR12V	883849	1	MVR - Modular Voltage Regulator (required for Dual-Core Intel®Itanium® Processor 9000 & 9100 series )
<u>A9000HSINK</u>	<u>895651</u>	<u>1</u>	<u>Heatsink kit for a tray processor (Itanium® processor 9000 &amp; 9100 series, aka Montecito 533 &amp; Montvale 533/667).</u>
Hard Disk Drives	N/A	N/A	OEMs purchase these directly from vendors. See Intel's list of supported drives <sup>1</sup>
Memory	N/A	N/A	OEMs purchase these directly from vendors. See Intel's list of qualified memory DIMMs <sup>1</sup> .

**4. To order processors, use the following table:**

Product Codes	Processor Number	Min Order Qty	Description
NE80567KF028015	9150M	1	Tray Dual-Core Itanium® processor 667FSB, 1.66GHz, 24M cache
NE80567KE025015	9150N	1	Tray Dual-Core Itanium® processor 533FSB, 1.6GHz, 24M cache
NE80567KF028009	9140M	1	Tray Dual-Core Itanium® processor 667FSB, 1.66GHz, 18M cache
NE80567KE025009	9140N	1	Tray Dual-Core Itanium® processor 533FSB, 1.6GHz, 18M cache
NE80567KF0288M	9130M	1	Tray Dual-Core Itanium® processor 667FSB, 1.66GHz, 8M cache
NE80567KEB17003	9120N	1	Tray Dual-Core Itanium® processor 533FSB, 1.42GHz, 12M cache
NE80567KE025003	9110N	1	Tray Dual-Core Itanium® processor 533FSB, 1.6GHz, 12M cache
BX805499050	9050	1	Boxed Dual-Core Itanium® processor 533FSB, 1.6GHz, 24MB cache
BX805499040	9040	1	Boxed Dual-Core Itanium® processor 533FSB, 1.6GHz, 18MB cache
BX805499030	9030	1	Boxed Dual-Core Itanium® processor 533FSB, 1.6GHz, 8MB cache
BX805499020	9020	1	Boxed Dual-Core Itanium® processor 533FSB, 1.42GHz, 12MB cache
BX805499010	9010	1	Boxed Dual-Core Itanium® processor 533FSB, 1.6GHz, 6MB cache
NE80549KE025015	9050	1	Tray Dual-Core Itanium® processor 533FSB, 1.6GHz, 24MB cache
NE80549KE025009	9040	1	Tray Dual-Core Itanium® processor 533FSB, 1.6GHz, 18MB cache
NE80549KE0258M	9030	1	Tray Dual-Core Itanium® processor 533FSB, 1.6GHz, 8MB cache
NE80549KEB17003	9020	1	Tray Dual-Core Itanium® processor 533FSB, 1.42GHz, 12MB cache
NE80549KE0256M	9010	1	Tray Dual-Core Itanium® processor 533FSB, 1.6GHz, 6MB cache

**5. Additional accessories that may be desirable for your configuration are:**

Product Codes	MM#	Min Order Qty	Description
A9000MKMEM	890677	1	Memory Riser Box for DDR2 533 & 667MHz
A9000MKHDC	886458	1	SR9000MK4U HDD carrier
A9000RAILS	886620	1	SR9000MK4U Rail Kit
A9000CBARM	886621	1	SR9000MK4U Cable management arm
A9000MKSAS	886622	1	SR9000MK4U 2 <sup>nd</sup> SAS cable
A9000KVMCD	886619	1	SR9000MK4U KVM card

**Reference Documentation Information**

1. **SR9000MK4U Tested Hardware and Operating System List** – contains a list of tested operating systems and adapter cards Intel validated. Available on IBL.
2. **SR9000MK4U Memory Test List** – contains a list of tested memories. Available on IBL.
3. **SR9000MK4U User Guide** – provides detailed information on board and system component descriptions and features, SW and utility configurations, hot swappable system components, servicing, and technical reference guide. Provided with Base systems, and also available on IBL.

## SR9000MK4U SKU List

	Product Code	MM#	Description	Minimum Order Qty
Systems	SR9000MK4U	<u>890670</u>	4 way Dual-Core Itanium® processor 9000 & 9100 series 4U server (aka Montecito 533 & Montvale 533/667)	1
Accessories	A9000MKMEM	<u>890677</u>	SR9000MK4U memory box for DDR2 533/677MHz	1
	A9000MKHDC	886458	SR9000MK4U HDD carrier	1
	A9000KVMCD	886619	SR9000MK4U KVM card	1
	A9000CBARM	886621	SR9000MK4U Cable Arm Kit	1
	A9000RAILS	886620	SR9000MK4U Rail Kit	1
	A9000MKSAS	886622	SR9000MK4U 2nd SAS Cable	1
	A9000HSINK	<u>895651</u>	SR9000MK4U Heatsink kit for tray processors (Itanium® processor 9000 & 9100 series, aka Montecito 533 & Montvale 533/667)	1
Spares	F9000MKBRD	890513	SR9000MK4U Main Board (Itanium® processor 9000 & 9100 series, aka Montecito 533 & Montvale 533/667)	1
	F9000MKPSU	886625	SR9000MK4U Power Supply	1
	F9000MKFAN	886627	SR9000MK4U Cooling Fan	1
	F9000OPPNL	886626	SR9000MK4U Front Panel (Operation Panel)	1
	F9000OPCBL	886628	SR9000MK4U Front Panel (Operation Panel Cable)	1
	F9000OPPCB	886630	SR9000MK4U Front Panel (Operation Panel Power Cord)	1
	F9000MKHBP	886624	SR9000MK4U HDD Backplane	1
	F9000MVRCB	886629	SR9000MK4U MVR Y-Cable	1
	F9000DVFIX	886632	SR9000MK4U DVD-Drive Fixing Hook	1
	F9000MKBZL	886631	SR9000MK4U Front Bezel	1

## Spares and Accessories Images

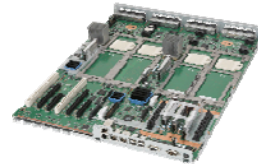
**A9000MKMEM**



**ABHMVR12V**



**F9000MKBRD**



**F9000MKFAN**



**F9000MKPSU**



Picture shows 2 pcs

**F9000OPPNL**



**A9000MKHDC**

