strips from gasket.

Intel[®] Server Board SDS2 Quick Start User Guide

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Start Here

Thank you for buying an Intel®Server Board. The following information will help you prepare your server board for integration with your selected server chassis. This Guide is for technically qualified persons. Expanded installation instructions and complete product information are available in the Intel[®]Server Board SDS2 Product Guide located on the Resource CD.

Translations of the Intel Server Board Product Guide are available at:

您可在下列网址上查阅到 Intel 服务器母板产品指南的译文: La traducción de la Guía del Producto Intel Server Board

se encuentra disponible en: http://support.intel.com/support/motherboards/server/SDS2

Minimum Hardware Requirements To avoid integration difficulties and possible board

damage, your system must meet the following minimum requirements:

- **Processor:** Minimum of one Intel[®] Pentium[®] III processor with 256K cache support.
- Memory: Minimum of two identical PC133 compliant, 3.3 V, ECC, registered SDRAM 168 pin DIMMs, of minimum size 64MB.
- Power Supply: Minimum of 275 W with 1.2 A +5 V standby current and +12 V CPU power support [ATX].

For a list of qualified memory and chassis components, see http://support.intel.com/support/motherboards/server/SDS2

Before you begin

http://support.intel

Go to SIDE 2

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See the Intel Server Board SDS2 Product Guide for product Safety and EMC regulatory compliance informatior

If you are not familiar with ESD [Electro-Static Discharge] ocedures to be used during system assembly, complete '!' SDS2 Prod

Additional resourc board, including s be found at:

res are described in your Intel Server Board t Guide.	26	
es and support for your server pecifications and software updates, can	Processor	
.com/support/motherboards/server/SDS2	Socket 2 Terminator goes here if only one processor is used	
to finish configuration		
alling Chassis Standoffs		
	<section-header><section-header><section-header><section-header><section-header><section-header><text><text><text></text></text></text></section-header></section-header></section-header></section-header></section-header></section-header>	If only ONE processor is to must be installed in the Processor is to the shown below.

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[†]Available only to Intel[®] Channel Program

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For installation in the SC5100 chassis, install additional standoffs in positions 7 and 17. Standoff numbering in other chassis may be different. Standoffs are included with your chassis.

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Note: See "Minimum Hardware Requirements" in the Start Here box above left for correct DIMM specifications.

Avoid touching

gold contacts when handling or installing DIMMs.

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Installing the I/O Shield and Gasket





A58837-004



5 **Installing the Server Board** ∇ $\overline{}$ ∇

- For installation in the Intel SC5100 chassis: 1. Place the board into the chassis, making sure that the back panel I/O shield openings and chassis standoffs align correctly.
- 2. Attach the board with the screws included with your chassis.





Getting Started with Intel[®] Server Management [Optional]

Intel®Server Control and the hard drive Service Partition provide real-time monitoring and alerting for your SDS2 server hardware, emergency remote management, and remote server setup. Intel Server Control is implemented by installing it within client-server architecture.

The Service Partition provides you with the ability to remotely access a local partition on the server and to identify and diagnose server health issues. Remote access is provided through either a modem or network connection.

To get started with Intel Server Management, you install the Service Partition first, then the system's operating system, and finally Intel Server Control. The information here describes installation on a system running a Microsoft Windows* operating system.

Installing the Service Partition

- Installing the Service Partition consists of three tasks: • Preparing the server to boot from the CD-ROM drive
- Creating the Service Partition
- Formatting the Service Partition
- Preparing the Server to Boot from the CD-ROM Drive
- 1. Insert the Intel[®] Server Board SDS2 Resource CD into the server's
- CD-ROM drive.
- 2. Restart the server.
- 3. Press <F2> at the prompt to enter the BIOS setup utility
- during the boot cycle.
- 4. Select Boot Menu.
- 5. In Boot Device Priority, press the <+> key to move ATAPI* CD-ROM device higher in priority than the system hard drive. 6. Press the <F10> key to save the settings. After pressing this key, the
- system resets and boots from the CD-ROM drive.
- Creating the Service Partition
- 1. From the CD-ROM menu, select Utilities and press the <Enter> key. 2. Select **Run Service Partition Administrator** and press the <Enter> key.
- 3. From the list of available items, select Create Service Partition-first time.
- 4. Follow the instructions that appear on the screen. These instructions
- prompt you to reboot the server. It will reboot from the CD-ROM.



The system does not boot or show video at power on.

If configuring with only one processor verify that the processor is in the Primary Processor socket (CPU 1) and that the processor terminator module is installed in the

• Beep code 1-3-3-1 means you have unrecognized or bad memory. Remove and replace DIMMs one at a time to isolate which one is causing problems.

• Your power supply must provide 1.2 A of +5 V Standby current to support WOL. If the standby current is not present, your board will not boot.

The system sometimes works, but is exhibiting erratic behavior.

• This is typically the result of using an under-rated power supply. Make sure you are using at least a 275 W power supply.

Accessories and Order Codes

Item	Product Code
Intel [®] Server Board SDS2	SDS2
Intel [®] SC5100 Server Chassis Base Chassis	KHD2BASE300
Intel [®] SC5100 Server Chassis Redundant Power Chassis	KHD2HSRP350
Intel [®] SC5100 Server Chassis Rack Optimized Redundant Power Chassis	KHD2HSRP350R
Intel [®] SC5100 Server Chassis spares kit	FHD2SPRS
Intel [®] RAID Controller SRCMR	SRCMR