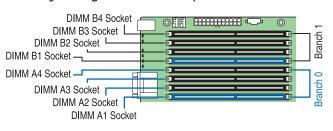


Memory Configurations and Population Order:

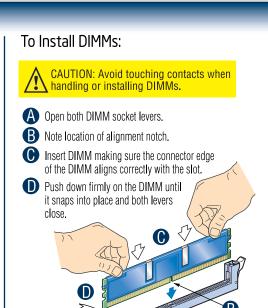


Memory Type: Minimum of one 512MB, DDR2 FBDIMM 533/667 MHz compliant 240-pin gold DIMM.

Populate DDR2 FBDIMMs beginning with A1(single FBDIMM only). Second FBDIMM must be in socket B1. Additional FBDIMMs must be populated only in pairs in the following order: A2 - B2, A3 - B3 and A4 - B4.

DIMM pairs must be identical with respect to size, speed, and organization. Note: For additional memory configurations, see the User Guide on the CD that accompanied your Intel® Server Board S5000VSA, or go to:

Memory sizing and configuration is guaranteed only for qualified DIMMs approved



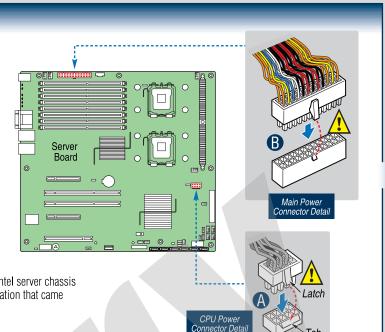


Attach the CPU power connector.

B Attach the main power connector.

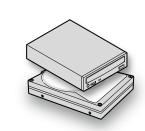
CAUTION: Note the location of the latch on each power cable connector and align it with the matching tab on each server board socket.

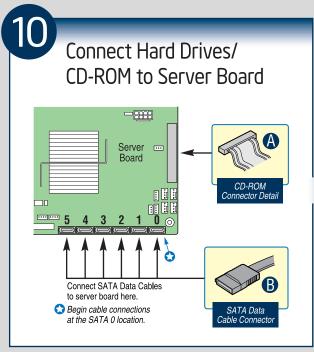
IMPORTANT NOTE: If you are using a non-Intel server chassis with an ATX power supply, see the documentation that came with your chassis for installation information.

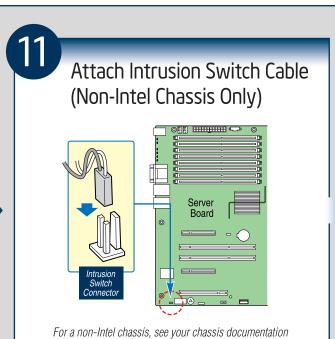


Install Optical Drive and Hard Drive(s)

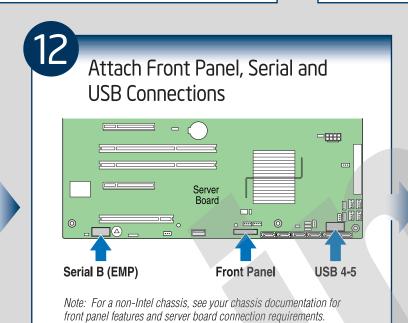
See the documentation that came with your server chassis for drive installation.





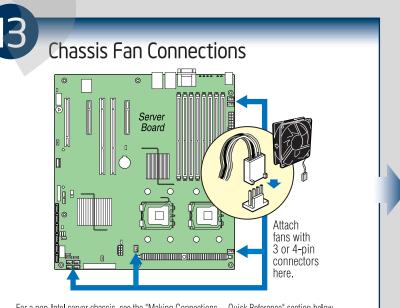


for intrusion switch requirements.



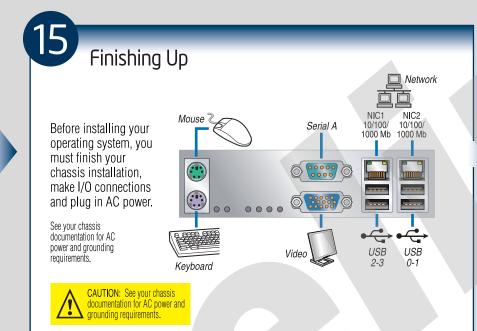
IMPORTANT NOTE: Return to your Intel® Server Chassis Quick Start User's Guide, or your non-Intel chassis documentation to finish installation and configuration of your Intel® Server Board S5000VSA.

Return to this document to finish up, including software, BIOS, drivers nd operating system installation.



For a non-Intel server chassis, see the "Making Connections ... Quick Reference" section below, and the documentation accompanying your chassis for specific chassis fan connection requirements.









Accessories and Order Codes	
Silver Intel® Server Chassis SC5299DP	KPP4DP550SPP
Silver Intel® Server Chassis SC5299BRP	KPP4BRP650SPP
Silver 6-drive hot-swap assembly	AXX6DRV3GSPP
Silver 6-drive hot-swap expander	AXX6DRV3GEXPSPP
Hot-swap adapter bracket	APP3HSDBKIT
A complete list of accessories and spares	

can be found at: www.intel.com/go/serverbuilder

Common Problems and Solutions

For a list of hardware components that have been tested with this system, see: http://support.intel.com/support/motherboards/server/s5000vsa/

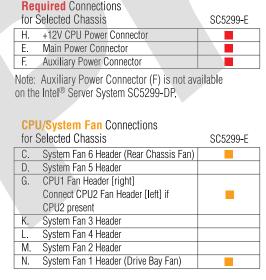
The system does not boot or show video at power-on.

- Check that +12V CPU power connector is plugged in. Without this cable the processor will not have any power.
- Beep code 4-3-2-1 in a system using an Intel® Xeon® Processor (minimum of 2.8 GHz) means you have unrecognized or bad memory.
- Remove and replace DIMMs one bank at a time to isolate which one is causing problems.
- Remember, all DIMMs must be:
- FBDIMM1 533/667 MHz compliant 240-pin DIMMs.
- The same speed.
- From the same manufacturer.
- Installed beginning with DIMM A1.
- Your power supply must provide a minimum of 550W with 3A standby current, which complies with the SSI EPS 12V specification.

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 550W power supply.

Making Connections to the Server Board ... Quick Reference



Notes: Not all optional connections are shown in this diagram. Refer to the Reference section of this Quick Start User's Guide, your Intel® Server Board S5000VSA Product Guide, and your server chassis documentation for additional connection information.

For a non-Intel Chassis, see your chassis documentation for server board connection information.

for	Selected Chassis	SC5299-E
Α.	HSBP_A	
В.	HSBP_B	
I.	SAS Key	
J.	CD-ROM/IDE Connector	
0.	USB 4-5	
P.	SATA connectors	
Q.	Front Panel Header	
R.	USB 6	
S.	SATA RAID5 Key	
T.	Serial B (EMP)	
U.	Chassis Intrusion Header	
V.	IPMB	
W.	SATA SGPIO	
Χ.	SAS_SES2	
Y.	SAS SGPIO	

