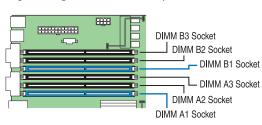


Memory Configurations and Population Order:



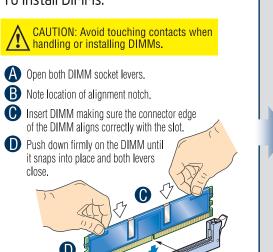
Memory Type: Minimum of one 512MB, 667 MHz compliant 240-pin gold DDR2 FBDIMM.

Populate DDR2 FBDIMMs in the order of A1, B1; A2, B2 and A3, B3. Populate A1 and B1 first.

DIMM pairs must be identical with respect to size, speed, and organization. Note: For additional memory configurations, see the User Guide on the Intel® Server Deployment Toolkit 2.0 CD that accompanied your Intel® Server Board S5000VCL, or go to: http://support.intel.com/support/motherboards/server/s5000vcl

Memory sizing and configuration is guaranteed only for qualified DIMMs approved





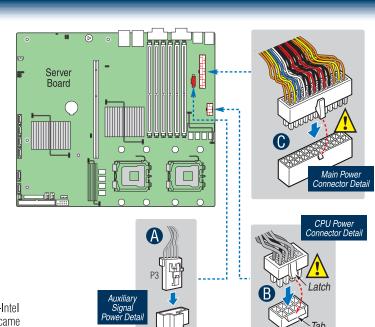


- Attach the auxiliary signal power connector as shown (optional).
 - **B** Attach the CPU power connector.



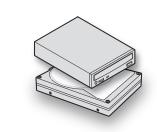


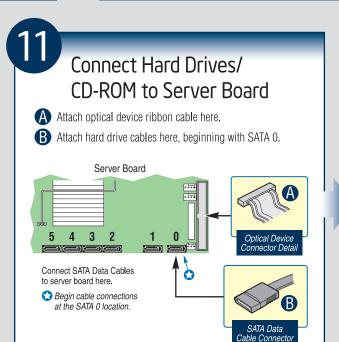
IMPORTANT NOTE: If you are using a non-Intel server chassis, see the documentation that came with your chassis for installation information.

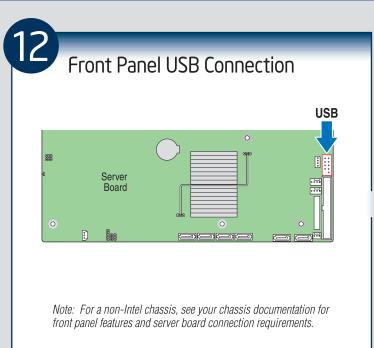




See the documentation that came with your server chassis for drive installation.

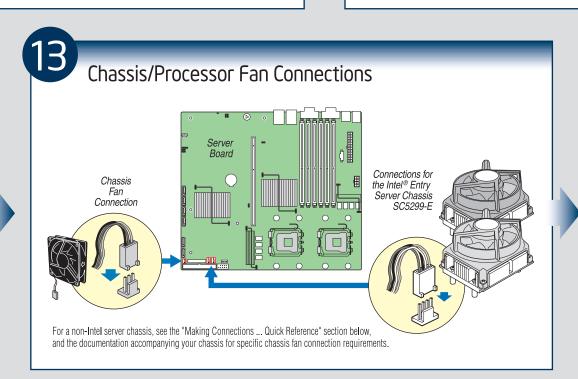


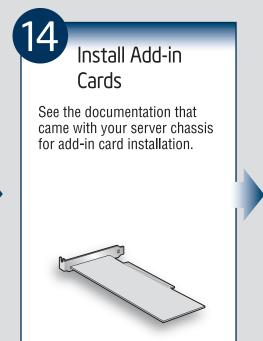


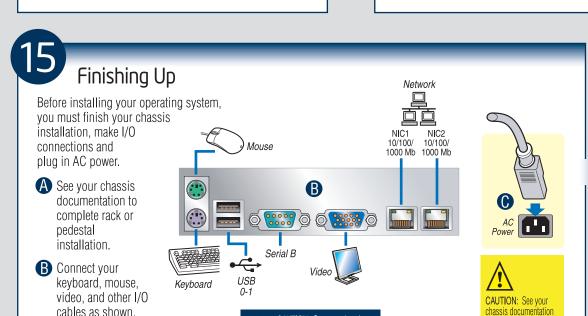


for AC power and

grounding requirements









A. Confirm BIOS Version: Look on the Server/System Management screen in the BIOS Setup Utility to determine the installed BIOS version. Compare this to the versions at: http://support.intel.com/support/motherboards/server/s5000vcl If new versions are available, update the BIOS on your server. See the User Guide on the Intel® Server Deployment Toolkit 2.0 CD for update instructions.

B. Configure your RAID Controller: Use the instructions provided with the RAID controller.

C. Software RAID: For software RAID support, see the software RAID Guide on the Intel® Server Deployment Toolkit 2.0 CD.

D. Install your Operating System: Use the instructions provided with the RAID controller and with the operating system.

E. Install Operating System Drivers: With the operating system running, insert the Intel® Server Deployment Toolkit 2.0 CD. If using a Microsoft* Windows* operating system, the Express Installer will autorun and allow you to select the appropriate drivers to install. On other operating systems, browse the CD folders to locate and install the driver files.

F. Install Intel® SMaRT Tool (optional): With the operating system running, insert the Intel® Server Deployment Toolkit 2.0 CD. The Express Installer will autorun. Click Intel® SMART Tool at the left side of the screen. Follow the on-screen instructions. For information about Intel® SMaRT Tool, see http://developer.intel.com/design/servers/smarttool/index.htm.

Reference

Accessories and Order Codes	
100 Watt Power Supply	FHJ400WPSHJDP
Chassis Blower and Fan Kit	FHJBLOWERFAN
Fixed Chassis Product Maintenance Kit	FHJFIXPMKIT
PCI-X*(ML/LP)/PCIe*(SL/LP) Riser Card	AHJPCIRISER1U
Slimline CD-ROM Drive	AXXVCDROM
Tool-less Rail Kit	AXXHERAIL
Cable Management Arm	AXXRACKCARM
/O Shield 50-pack for third party chassis	ACLIO .

A complete list of accessories and spares 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/s5000vcl/

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 a Dual-Core Intel® Xeon® processor 5100 series 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: • FBDIMM 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 400W with 2A standby current, which complies with the SSI EPS 12V specification.

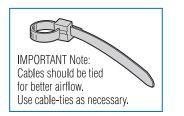
The system sometimes works, but is exhibiting erratic behavior.

• This is typically the result of using an under-rated power supply. Make sure you are using at least a 400W power supply.

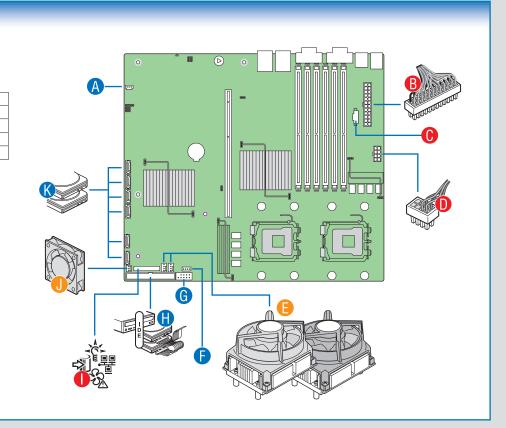
Making Connections to the Server Board ... Quick Reference

Optional Connections for Selected Chassis **Required** Connections for Selected Chassis Third Party Chassis B. Main Power Connector A. SATA SGPIO Connector Auxiliary Power Connector SAS SGPIO Connector D. +12V CPU Power Connector G. Front Panel USB Connector H. Optical Device/IDE Connector Front Panel Connector K. SATA HDD Connectors **CPU/System Fan** Connections for Selected Chassis Third Party Chassis E. CPU1/CPU2 Fan Headers J. System Fan

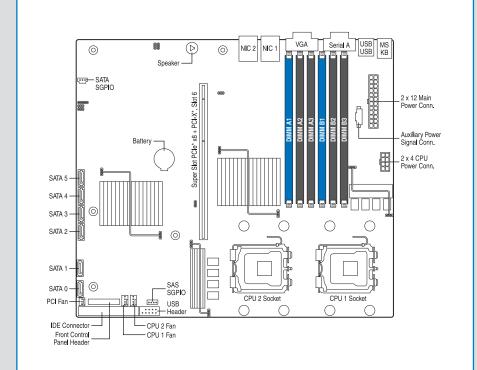
Notes: Not all optional connections are shown in this diagram. Refer to the Reference section of this Quick Start User's Guide, your Intel® Server Board S5000VCL User's Guide, and your server chassis documentation for additional connection information. For a non-Intel Chassis, see your chassis documentation for server board connection information.



Third Party Chassis



Intel® Server Board S5000VCL Component Layout





Connect the AC

power cable last.