Intel[®] Server System P4000GP Family Quick Installation User's Guide

Thank you for buying an Intel[®] Server System. The following information will help you assemble your Intel[®] Server System and install components.

If you are not familiar with ESD [Electrostatic Discharge] procedures used during system integration, see the complete ESD procedures described in your *Service Guide*.

This guide and other supporting documents are located on the web at: http://www.intel.com/support.





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Intel[®] Server System P4000GP Family Product Configuration

Intel® Server System	System Fan			Hard Drive		Power Supply			
	Five Hot Swap System Fans (80 x 38 mm)	One Fixed PCI Zone Fan (120 x 38 mm)	One Fixed CPU Zone Fan (120 x 38 mm)	4 x 3.5" Hot Swap	8 x 3.5" Hot Swap	Two Hot Swap 460W	Two Hot Swap 750W	Two Hot Swap 1200W	
P4304GP2MHDR									
P4308GP2MHGC									
P4308GP2MHJC									

= Configuration Feature

Thermal Operation and Configuration Requirements

To keep the system operating within supported maximum thermal limits, the system must meet the following operating and configuration guidelines:

- Ambient in-let temperature cannot exceed 35° C and should not remain at this maximum level for long periods of time. Doing so may affect long term reliability of the system.
- The CPU-1 processor and CPU heatsink must be installed.
- DIMM Population on CPU-1: Install DIMMs in order; Channels A, B, and C. Start with 1st DIMM slot (blue) on each channel.
- DIMM Population on CPU-2: Install DIMMs in order; Channels D, E, and F. Start with 1st DIMM slot (blue) on each channel.
- All hard drive bays must be populated. Hard drive carriers either can be populated with a hard drive or supplied drive blank.
- The air duct must be installed at all times.
- In single power supply configurations, the second power supply bay must have the supplied filler blank installed at all times.
- The system top-cover must be installed at all times.

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System Overview

Intel[®] Server System P4304GP2MHDR



Intel[®] Server System P4308GP2MHGC



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System Overview

Intel[®] Server System P4308GP2MHJC



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General Installation Process

The installation instructions in this section are for general components of Intel[®] Server System P4000MCP family, but the illustrations are based on the Intel[®] Server System P4304GP2MHDR.



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General Installation Process



General Installation Process

Install DIMM Memory Modules DDR3 DIMM Memory Identification: CAUTION: Observe normal ESD (ElectroStatic Discharge) procedures to avoid possible damage to system components. This server board supports up to 12 DDR3 800/1066/1333/1600 ECC UDIMM/RDIMM/LRDIMM. DIMM notch and socket bump must align as shown. DDR Other Метогу



Memory Type: Minimum of one 1 GB, DDR3 800/1066/1333/1600 MHz ECC UDIMM/RDIMM/LRDIMM. Memory sizing and configuration is supported only for qualified DIMMs approved by Intel. For a list of supported memory, see the tested memory list at http://serverconfigurator.intel.com/default.aspx

Install DIMM Memory Modules ... Continued

To Install DIMMs:

A Open both DIMM socket levers.



- Insert DIMM making sure the connector edge of the DIMM aligns correctly with the slot.
- D Push down firmly on the DIMM until it snaps into place and both levers close.
- B IMPORTANT! Visually check that each latch is fully closed and correctly engaged with each DIMM edge slot.

CAUTION: Avoid touching contacts when handling or installing DIMMs.





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