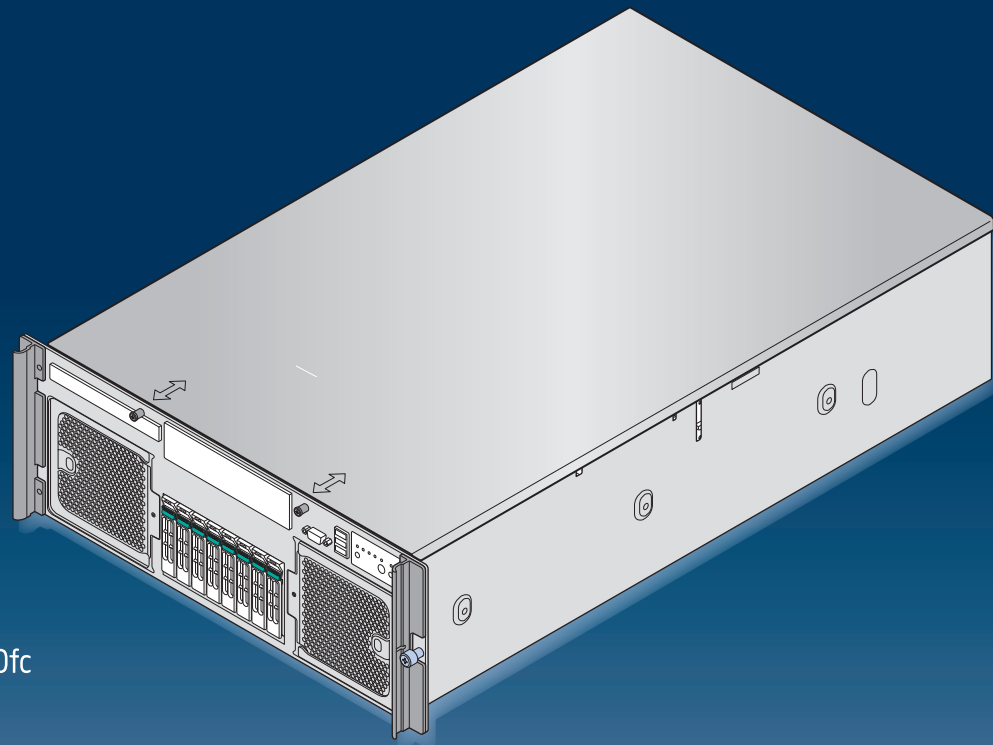


Intel® Server System S7000FC4UR Quick Start User's Guide

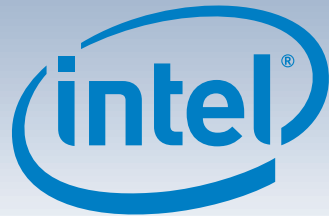


Thank you for buying an Intel® Server System. The following information will help you assemble your Intel® Server System S7000FC4UR and install components.

This guide and other supporting documents are located on the web at <http://support.intel.com/support/motherboards/server/chassis/s7000fc>

If you are not familiar with ESD (Electrostatic Discharge) procedures used during system integration, please see the Intel® Server System S7000FC4UR User's Guide, available on the Intel® Server Deployment Toolkit 2.0 CD or at <http://support.intel.com/support/motherboards/server/chassis/s7000fc/howto.htm>

Read all cautions and warnings first before starting your server system integration.



Minimum Hardware Requirements

To avoid integration difficulties, make sure you have ordered components from each category below. These items do not ship with your system and must be sourced separately:

Required Components and Order Codes

Control Panel (You must select one)	
Button Control Panel	AXXBCFPMOD2
Intel® Local Control Panel (LCD)	AXXLCFPMOD2
Processor Heat Sinks and Blanks (You must select one for EACH processor socket)	
Processor Heat Sink	AFCPROCHS
Processor Blank	AFCPROCBLANK
Processor(s) ... <i>minimum of one.</i>	
Hard Disk Drive(s)	
Memory DIMMs ... <i>minimum of one.</i>	

Component Descriptions:

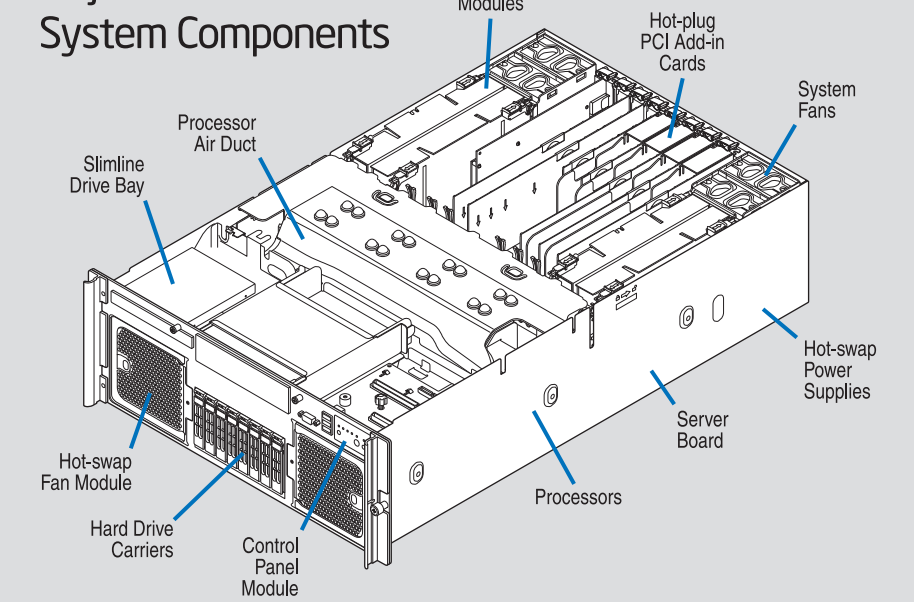
- Processor:** Quad-Core Intel® Xeon® Processors 7300 Series or Dual-Core Intel® Xeon® Processors 7200 Series.
- Memory Type:** Minimum of one Fully Buffered Generation-1 533 or 667MT/s DIMM.

AC power to your server platform:

- Minimum of 100V - 220V.

Additional accessories and order codes are listed on Side 2 of this document.

Major Server System Components



1 Preparing the Chassis

Observe normal ESD (Electrostatic Discharge) procedures. Unpack and place your Intel® Server Platform on a flat anti-static surface to perform the following integration procedures. Always touch the chassis frame first, before reaching inside to make server board connections or to install components.

2 Remove Chassis Cover

A Loosen two captive screws.
B Slide cover back and lift straight up.

3 Remove Processor Air Duct Cover

4 Remove Memory Modules

A Lift the latches to disengage the modules from the server board.
B Pull upward and remove.

5 Install Intel® RAID Smart Battery (optional)

The RAID SMART battery attaches to the back side of the SAS expansion module as shown.

A Align board connector and mounting holes with battery.
B Attach with three screws provided. Hand-tighten only.

6 Install Intel® SAS Expansion Module RAID KEY and RAID DIMM (optional)

A Install optional RAID key into matching socket as shown.
B Install DIMM as shown. Make sure DIMM connector edge and socket align correctly. **IMPORTANT: Use a 256 or 512 MB DDR2-667 MHz DIMM only.**

CAUTION: Avoid touching contacts when handling or installing DIMMs.

7 Install Intel® SAS Expansion Module into Chassis (optional)

A Make sure bracket engages tab here.
B Make sure card snaps into retention device here.

Install the module into the matching server board socket as shown.

8 Attach the SAS Expander Cables and the SES Cable

9 Install the Processor(s)

Cautions

- If only ONE processor is to be used, it must be installed in the CPU 1 Socket. Refer to the REFERENCE section on side 2 to identify the CPU 1-4 Sockets.
- Do not mix processors of different types or frequencies.
- When unpacking a processor, hold by the edges only to avoid touching the pins.
- This server board has "zero-insertion force" sockets. If processor does not drop easily into socket holes, make sure lever is in the full-open position.

A. Open the Socket Lever

Open the lever all the way as shown.

B. Install the Processor

Align corner mark on the processor to the socket as shown.

C. Close the Socket Lever

See your processor documentation for additional information.

Repeat these procedures if installing additional processors

10 Install the Heat Sink(s)

The heat sink attaches to standoffs installed directly to the chassis. Each heat sink has four captive fasteners.

CAUTION: Remove the plastic cover from the Thermal Interface Material (TIM) on the underside of the heat sink. Do not touch or damage the Thermal Interface Material.

Attach the Heat Sink Using the following Procedure:

A Using a Phillips screwdriver, lightly tighten each fastener diagonally, according to the number sequence shown.

B Securely re-tighten each fastener again in the same order as performed in step A.

CAUTION: Do not over-tighten fasteners.

11 Install Thermal Blank(s)

CAUTION: For each EMPTY processor socket, you must install a thermal blank to maintain proper airflow in the chassis.

Note: Heatsink styles may differ.

Warning

Read all caution and safety statements in this document before performing any of the instructions. Also see the Intel® Server Board and Server Chassis Safety Information document at: <http://support.intel.com/support/motherboards/server/sb/cs-010770.htm> for complete safety information.

Warning

Installation and service of this product should only be performed by qualified service personnel to avoid risk of injury from electrical shock or energy hazard.

Caution

Observe normal ESD (Electrostatic Discharge) procedures during system integration to avoid possible damage to server board and/or other components.

Tools Required

- Phillips® screwdriver
- Anti-static wrist strap

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