13 Install Hard Drives into Fixed Drive Bay

A. Open Cage Access Doors

Loosen the captive thumb screw, then open the upper door.

Open the lower door.

B. Remove Device Slides

C. Install Slides to Hard Drive

Connector end of drive to back.

Note: Device slides are "tool-less". Insert slide tabs into hard drive mounting holes and press firmly into place.

Tab

D. Insert Drive/Slide Assembly into Cage

Note: Make sure connector end of drive faces toward the rear of the cage.

Rear of Cage

Close cage doors and tighten captive thumb screw. Repeat this procedure for each drive.

14 Install Fixed Cage into Chassis

A. Push HDD cage into bay until blue plastic retention mechanism locks into place.

B. Connect data and power cables to each drive.

15 Install Server Board

Open the Intel® Server Board box. Follow the instructions in the enclosed Intel® Server Board Quick Start User's Guide and return to this document when finished.

Note: Follow the instructions in the RAID card Quick Start Guide for RAID card installation and cable routing.

16 Install Add-in Cards

A. Open back panel PCI add-in card retention device by pressing open from inside of chassis.

B. Remove PCI slot shield by pushing out from inside of chassis.

C. Insert add-in card into server board PCI slot.

D. Close back panel PCI add-in card retention device.

E. Replace PCI add-in card retainer.

PCI Add-in Card Retention Device (located on rear of chassis)

PCI Slot

PCI Slot Shield

17 Re-install Hot-Swap Fans (SC5600LX only)

A. Slide each fan into the chassis until the latch locks into place.

Fan Latch

18 Re-install Air Duct

Read this Before Installing the SC5600BASE and SC5600BRP Air Duct!

Note: Before installing the air duct, it is important to view the features that interconnect or latch.

A. Chassis alignment holes for air duct.

B. Air duct alignment holes.

C. Air duct and chassis alignment rails.

⚠ Warning! Remove the inlet filler board for dual processor configuration (SC5600Base/BRP Air Duct only)

To install the air duct:

D. Align the air duct and chassis rails.

E. Install the air duct. Ensure that alignment holes match up, then engage the latch.

Air Duct Alignment Rails

Chassis Rear Fan Bracket

Chassis Alignment Rails

Inlet Filler Board Removal Detail

⚠ WARNING: Improper installation and removal of the air duct can cause damage to the server board. Install and remove the air duct with caution.

SC5600BASE/BRP Air Duct

Read this Before Installing the SC5600LX Air Duct!

Note: Before installing the air duct, it is important to view the features that interconnect or latch.

A. Chassis alignment holes for air duct.

B. Air duct alignment holes.

C. Air duct alignment tabs.

D. Chassis alignment slots for air duct.

E. Air duct and chassis alignment rails.

F. Air duct alignment tab and matching chassis alignment slot.

To install the air duct:

G. Align the air duct and chassis rail.

H. Install the air duct. Ensure that alignment holes and tabs match up, then engage the latch.

⚠ WARNING: Improper installation and removal of the air duct can cause damage to the server board. Install and remove the air duct with caution.

SC5600LX Air Duct

Air Duct Alignment Rails

Chassis Rear Fan Bracket

Chassis Alignment Rails

19 Install Additional Hot-Swap Power Supply Module (optional)

Note: If your chassis has a fixed power supply, go to Step 20.

Latch

A. Release the latch and remove the power supply filler panel.

B. Insert power supply module until it clicks into place.

20 Rack Mount Configuration (optional)
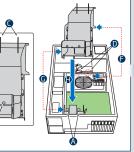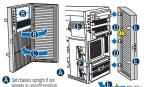
If you intend to configure your server as a pedestal system, disregard this step.

If you intend to configure your server as a rack-mount system, go to the instructions that came with your rack-mount kit to complete your server assembly.

21 Re-install Bezel Assembly

A. Set chassis upright if not already in upright position.

B. Open the front door of the bezel assembly and remove bezel filler panel(s) that correspond to installed devices.

C. Close the outer bezel door.

D. Fit right edge of bezel assembly against front of chassis and engage plastic bezel hooks into raised metal slots at chassis edge.

⚠ CAUTION: Do not attach bezel assembly to chassis at MORE than a 40 degree angle.

E. Rotate bezel assembly toward chassis and latch two plastic tabs on left side of bezel assembly to chassis.

40° Max

22 Replace Side Cover

⚠ CAUTION: This chassis must be operated with the SIDE COVERS installed to ensure proper cooling.

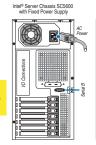Re-install side cover and latch securely.

Side Cover

23 Finishing Up

1. See your Intel® Server Board Quick Start User's Guide to connect your keyboard, mouse, video, and other I/O cables.

2. Connect the AC power cable last.

⚠ CAUTION: 750 watt and 670 watt power supplies require a 16-gauge power cord.

Intel® Server Chassis SC5600 with Fixed Power Supply

AC Power

I/O Connections

Serial B

Intel® Server Chassis SC5600 with Hot-Swap Power Supply

AC Power

I/O Connections

Serial B

Reference

Connections for Intel® Server Board S5520HC, S5500HCV and Intel® Workstation Board S5520SC

	Intel® Server Chassis SC5600Base/BRP	Intel® Server Chassis SC5600LX
Required Connections		
CPU 1 Power Connector	■	■
CPU 2 Power Connector	■	■
Main Power Connector	■	■
Auxiliary Power Connector	■	■
Front Panel Header	■	■
CPU/System Fan Connections		
CPU Fan 1 Header		■
CPU Fan 2 Header		■
Chassis Fan 1 Header	■ (Small front chassis fan)	■
Chassis Fan 2 Header		
Chassis Fan 3 Header	■ (Large front chassis fan)	
Chassis Fan 4 Header		
Chassis Fan 5 Header	■ (rear chassis fan)	
Optional Connections		
HSBP_A	■	■
HSBP_B	■	■
USB_Front Panel	■	■
SATA Connectors	■	■
SATA Software RAID 5 Key	■	■
SAS Module SAS Connectors (optional)	■	■
Serial B	■	■
SATA SGPIO	■	■
SAS Module SES (optional)	■ (Either SAS SES or SGPIO)	■ (Either SAS SES or SGPIO)
SAS Module SGPIO (optional)	■ (Either SAS SES or SGPIO)	■ (Either SAS SES or SGPIO)
SAS Software RAID 5 Key (optional)	■	■

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

Chassis Features and Components

Intel® Server Chassis SC5600LX with Hot-Swap Components

1. Hot-Swap Power Supply #2
2. Hot-Swap Power Supply #1
3. Rear Serial-B Connector
4. PCI Add-in Card Panel
5. Memory/Processor Air Duct
6. Hot Swap Fans - Large (2)
7. Hot Swap Fans - Small (2)
8. HDD Cage Release Mechanisms (2)
9. Front Panel Control
10. 5.25" Device Bays (3)
11. Front Panel USB/Serial B
12. Hot-Swap Drive Cage - 4 Drive (accessory)
13. Hot-Swap Drive Cage - 6 Drive (accessory)

Intel® Server Chassis SC5600Base Components

1. Fixed Power Supply
2. Rear Serial-B Connector
3. PCI Add-in Card Panel
4. Memory/Processor Air Duct
5. Fixed Fans (2)
6. HDD Cage Release Mechanisms (2)
7. Front Panel Control
8. 5.25" Device Bays (3)
9. Front Panel USB/Serial B
10. Fixed Drive Cage - 4 Drive (accessory)
11. Fixed Drive Cage - 6 Drive

Notes: • Intel® Server Chassis SC5600BRP not shown.
• Rack-mount configurations are shown in the rack-mount conversion kit documentation.

Front Panel Controls and Indicators

A. ID Button
B. System Reset Button
C. NIC1 LED
D. System Power Button
E. Hard Drive Activity LED
F. System ON LED
G. NIC2 LED
H. ID LED
I. Status LED
J. NMI Button

Accessories and Order Codes

Rack Conversion Accessory Kit	ARIGRACK
4-Drive SAS/SATA Bay	AXX4DRV3GR
4-Drive SAS/SATA Bay (Expander)	AXX4DRV3GEXP
6-Drive SAS/SATA Bay	AXX6DRV3GR
6-Drive SAS/SATA Bay (Expander)	AXX6DRV3GEXP
4-Drive Fixed Drive Bay	AXX4FIXDB
Intel® Local Control Panel	AXXLCPPED
Cable Management Arm	AXXCMA3U7U
750W Power Supply Module	AXX750WPS
North American Power Cable	FPWRCABLENA
Preventative Maintenance Kit	ARIGTPMKIT
Tower Passive Heat Sink for the Intel® Server Chassis SC5600LX*	FXXRGTHSINK

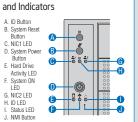*This accessory is required when using the Intel® Server Chassis SC5600LX

Reference Documentation

Document Type	Content
Technical Product Specification	In-depth technical information
Spares and Configuration Guide	Supported accessories and spares list
Software and Drivers	Up-to-date firmware, driver and utility information

These and additional reference documents can be found at: http://support.intel.com

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