

SUPERMICRO® A+ Server 2013S-C0R Quick Reference Guide

Board Layout

No.	Description	No.	Description
1	SLOT1 PCI-E 3.0 X8	8	DIMMA1~D1 slots
2	SLOT2 PCI-E 3.0 X16	9	CPU
3	SLOT3 PCI-E 3.0 X8	10	DIMME1~H1 slots
4	SLOT4 PCI-E 3.0 X16	11	M.2 PCI-E Interface
5	SLOT5 PCI-E 3.0 X8	12	I-SATA4~7: Internal SATA Ports
6	SLOT6 PCI-E 3.0 X16	13	I-SATA0~1: Internal SATA Ports
7	JBT1: CMOS Clear	14	I-SATA2~3: Internal SATA Ports

Memory

Refer to the table below for additional memory information.

Processors and their Corresponding Memory Modules								
CPU#	Channel 1	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7	Channel 8
4 DIMMS								
CPU1		B1		D1		F1		H1
8 DIMMS								
CPU1	A1	B1	C1	D1	E1	F1	G1	H1

Note: Always use DDR4 DIMM modules of the same type, size and speed. To achieve the best memory performance, a balanced memory population is recommended.

Hard Drive Installation

Removing a Hot-Swap Drive Carrier from the Chassis

1. Press the release button on the drive carrier, which will extend the drive carrier handle.
2. Use the drive carrier handle to pull the drive out of the chassis.

Installing a Drive

1. To add a new drive, install it into the carrier with the printed circuit board side facing down so that the mounting holes align with those in the carrier.
2. Secure the drive to the carrier with the screws provided, then push the carrier completely into the drive bay. You should hear a *click* when the drive is fully inserted. This indicates that the carrier has been fully seated and connected to the HDD backplane, which automatically makes the power and logic connections to the hard drive.

Front View & Interface

No.	Description	No.	Description
1	Power Button	6	Information LED
2	Reset Button	7	Power Fail
3	Power LED	8	Hard Drive Signal
4	HDD LED	9	Hard Drive Fail
5	NIC1 LED & NIC2 LED		

Rear View

No.	Description
1	3 PCI-E 3.0 x16 Slots & 3 PCI-E 3.0 x8 Slots
2	VGA Port
3	2 GbE LAN ports
4	4 USB Ports (2x USB 2.0, 2x USB 3.0)
5	Dedicated LAN for IPMI
6	Serial Port
7	*Redundant Power Supply Modules

*Redundancy based on configuration and application load

CPU Installation

Processor Installation

1. Removing the Processor Force Frame
Use a **Torx T20** driver to loosen the screws holding down Force Frame in the sequence of 3-2-1. The screws are numbered on the Force Frame next to each screw hole.
2. Raising the Force Frame
3. Lifting the Rail Frame
4. Removing the External Cap and PnP Cover Cap
5. Inserting the Carrier Frame/CPU Package
6. Lowering the Force Frame
7. Securing the Force Frame
Secure the screws in the order 1-2-3, **tightening to 16.1 kgf-cm (14 lbf-in)** of torque. The Force Frame secures both the Rail Frame and CPU Package. Caution: Tightening must be executed in proper 1-2-3 sequence to avoid causing catastrophic damage to the socket or CPU Package.
8. The Force Frame Secured

Heatsink Installation

1. Mounting the Heatsink
2. Securing the Heatsink
Using a diagonal pattern and a **Torx T20** driver, tighten the four heatsink screws evenly to **16.1 kgf-cm (14.0 lbf-in)** torque.

Caution

SAFETY INFORMATION
IMPORTANT: See installation instructions and safety warning before connecting system to power supply.
http://www.supermicro.com/about/policies/safety_information.cfm

WARNING:
To reduce risk of electric shock/damage to equipment, disconnect power from server by disconnecting all power cords from electrical outlets. If any CPU socket empty, install protective plastic CPU cap.

WARNING:
Always be sure all power supplies for this system have the same power output. If mixed power supplies are installed, the system will not operate.

For more information go to : <http://www.supermicro.com/support>

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