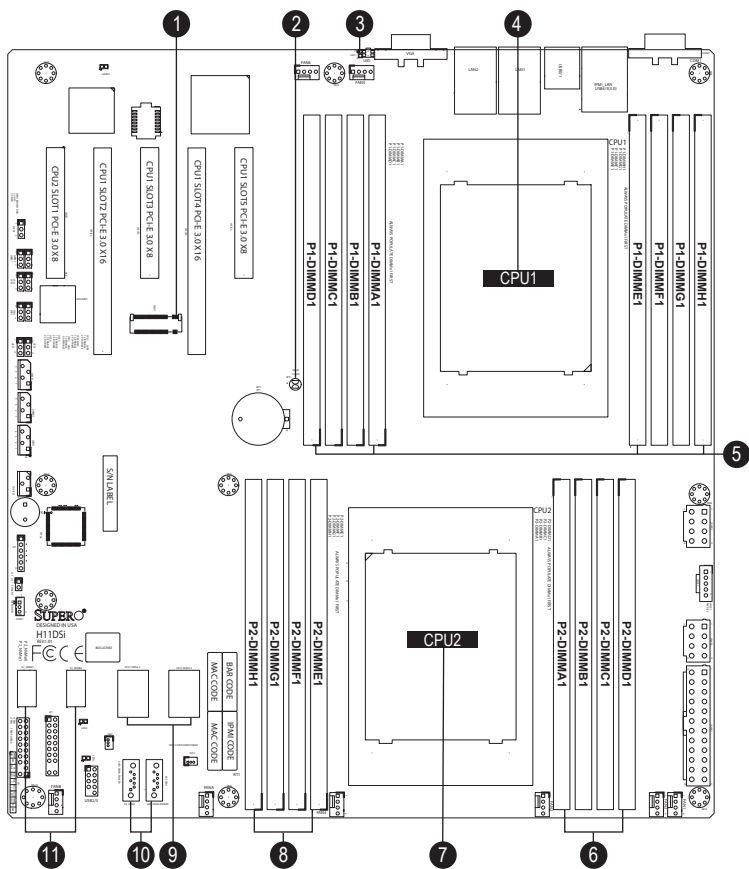


SUPERMICR<sup>®</sup> A+ Server AS -4023S-TRT Quick Reference Guide

Board Layout



No.	Description
1	JMD1: M.2 Connector with integrated SATA/PCI-E signals
2	JBT1: CMOS Clear
3	Unit ID Switch
4	CPU1
5	P1-DIMMA1~H1 slots
6	P2-DIMMA1~D1 slots
7	CPU2
8	P2-DIMME1~H1 slots
9	CPU1-SATA0-3, CPU2-SATA0-3
10	P2-SATA0-1
11	P2-NVME0-1

Memory

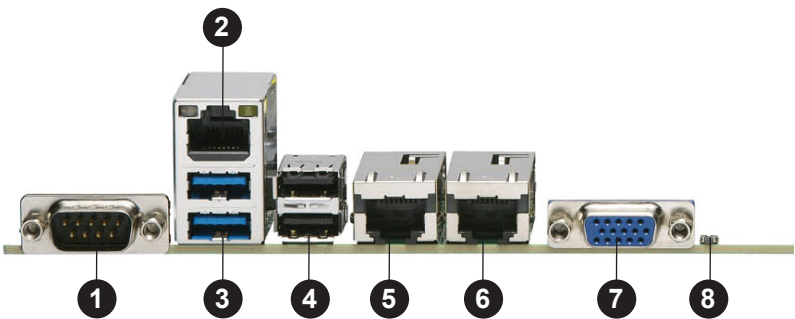
Memory Support

The H11DSi / H11DSi-NT supports 2 TB of ECC DDR4 2666 MHz speed / 4TB of ECC DDR4 3200 MHz speed (Board revision 2.x required), RDIMM/LRDIMM/3D S/NVDIMM memory in 16 slots. Refer to the table below for additional memory information.

DIMM Population Guide (AMD 7001 Processor)									DIMM Population Guide (AMD 7002 Processor)								
Channel																	
CPU#	D1	C1	B1	A1	E1	F1	G1	H1	CPU#	D1	C1	B1	A1	E1	F1	G1	H1
1 DIMM (Supported, but not recommended)																	
CPU1		✓							CPU1		✓						
2 DIMMS (Supported, but not recommended)																	
CPU1		✓		✓					CPU1	✓	✓						
4 DIMMS (Conditionally recommended if 32 cores or fewer)																	
CPU1		✓		✓	✓		✓		CPU1	✓	✓					✓	✓
8 DIMMs																	
CPU1	✓	✓	✓	✓	✓	✓	✓	✓	CPU1	✓	✓	✓	✓	✓	✓	✓	✓
16 DIMMs																	
CPU1	✓	✓	✓	✓	✓	✓	✓	✓	CPU1	✓	✓	✓	✓	✓	✓	✓	✓
CPU2	✓	✓	✓	✓	✓	✓	✓	✓	CPU2	✓	✓	✓	✓	✓	✓	✓	✓

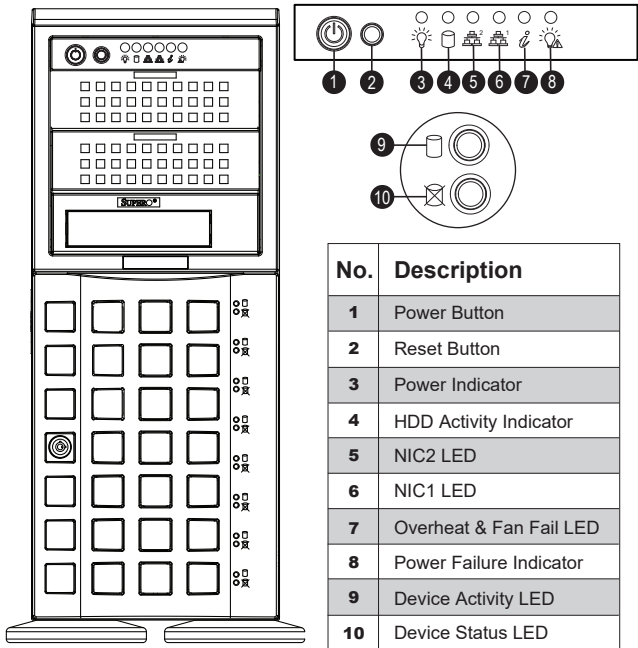
NOTE: To achieve optimal memory performance, the minimum recommended is at least one DIMM for each channel pair in the system (e.g., A, C, E, G).

Rear I/O Ports



No.	Description	No.	Description
1.	COM Port	5.	10G LAN Port #1
2.	Dedicated IPMI LAN Port	6.	10G LAN Port #2
3.	USB Ports (3.0)	7.	VGA Port
4.	USB Ports (2.0)	8.	Unit Identifier Switch/LED

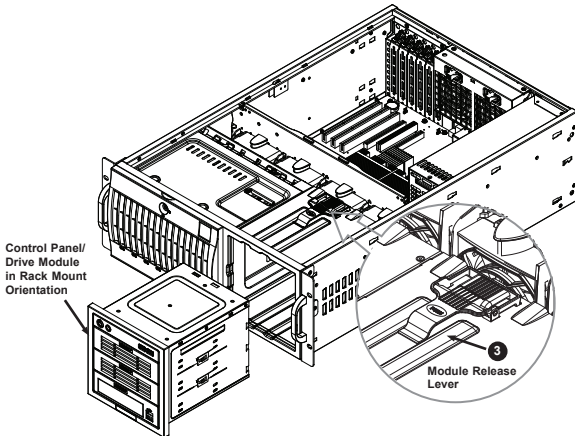
Front View & Interface



Tower or Rack Configuration

Rotating the Control Panel/Drive Module for Rack Mounting

1. Power down the system and open the chassis cover.
2. Disconnect any cables from the back of the Control Panel/Drive Module.
3. Push the module release lever to unlock the module.



4. Grasp the edges of the module and pull it from the chassis.
5. Rotate the module 90 degrees so that the control panel is on top.
6. Reinsert the module into the chassis and reconnect the cables.

Caution: Use caution when working around the backplane. Do not touch the module backplane with any metal objects and make sure no ribbon cables touch the backplane or obstruct the holes, which aid in proper airflow.

CPU Installation

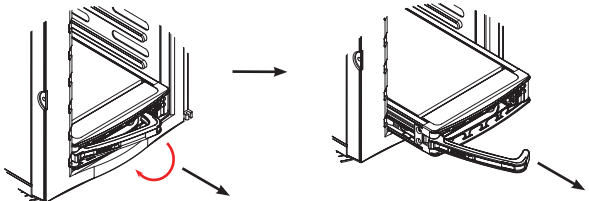
Processor Installation

1. Removing the Processor Force Frame  
Use a TorxT20 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 (14.4 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

Hard Drive Installation

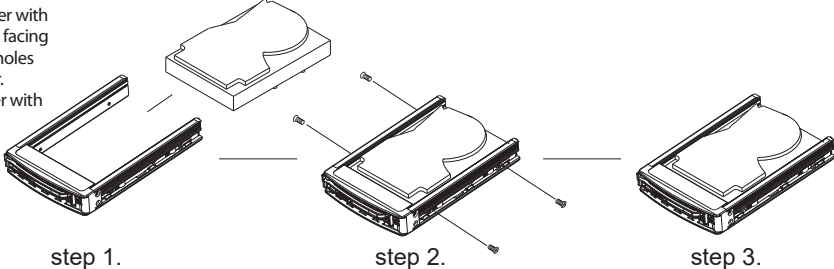
Installing/Removing Hard Drives

1. To remove a carrier, first open the front bezel.
2. Push the release button located beside the drive LEDs.
3. Swing the handle fully out and then use it to pull the unit straight out.



Mounting a Hard Drive in a Drive Carrier

1. Insert the drive 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 four screws.



Heatsink Installation

1. Mounting the Heatsink
2. Securing the Heatsink  
Using a diagonal pattern and a TorxT20 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](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>