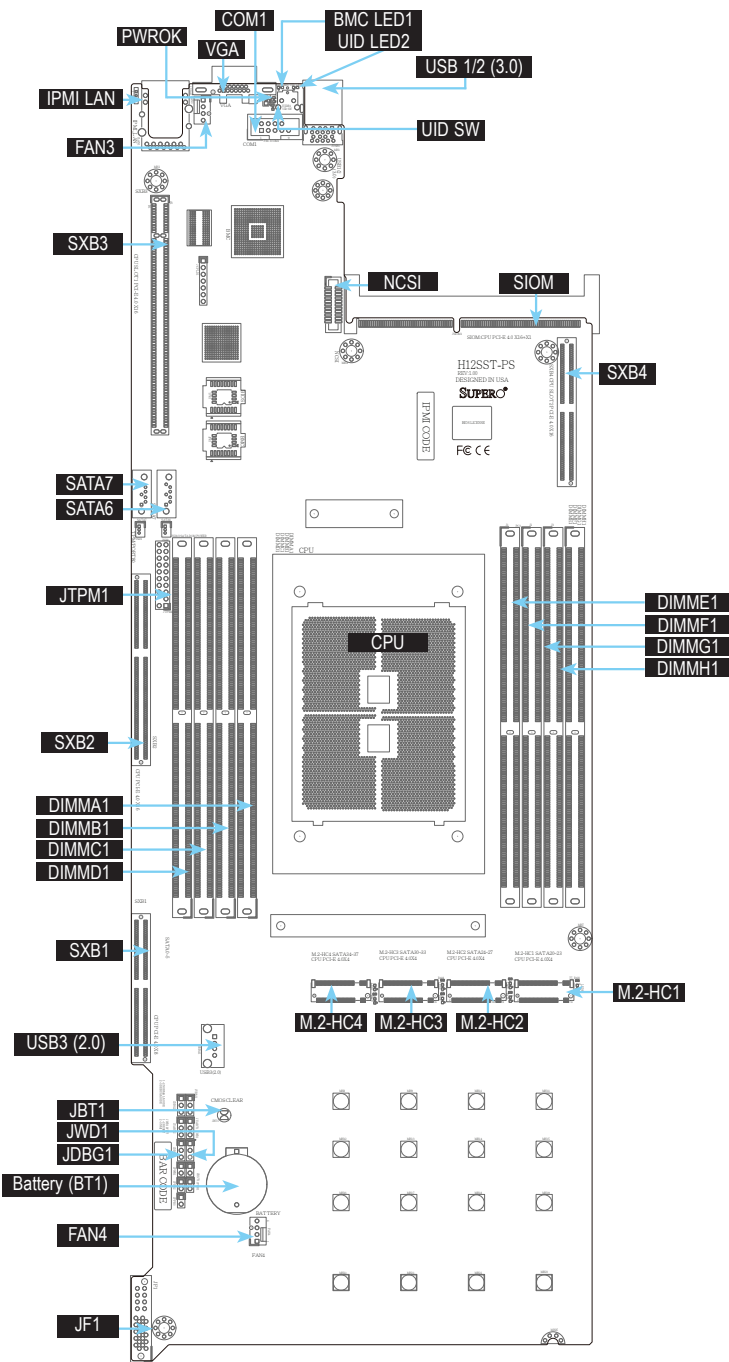


## Board Layout



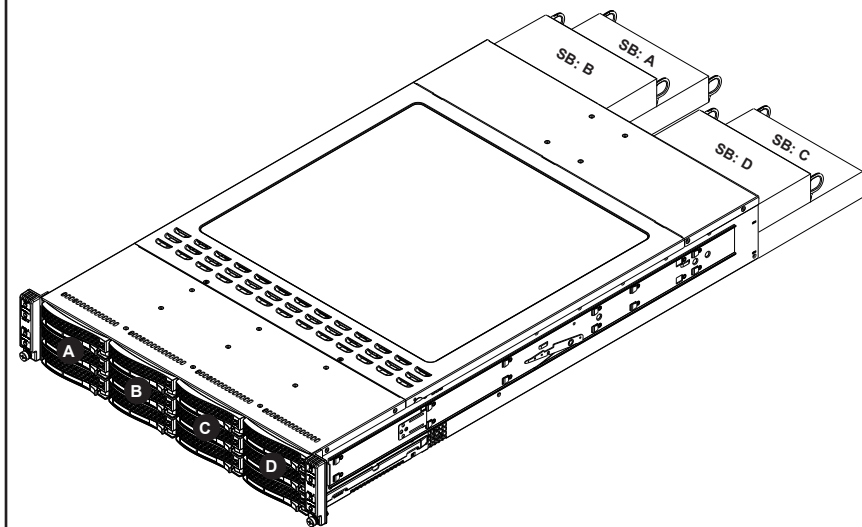
## Memory

Processors and their Corresponding Memory Modules									
Channel									
CPU	D1	C1	B1	A1	CPU Socket SP3	E1	F1	G1	H1
1 DIMM (Not Recommended)									
CPU		V							
2 DIMMs (Not Recommended)									
CPU		V					V		
4 DIMMs (Not Recommended)									
CPU	V	V						V	V
8 DIMMs									
CPU	V	V	V	V			V	V	V

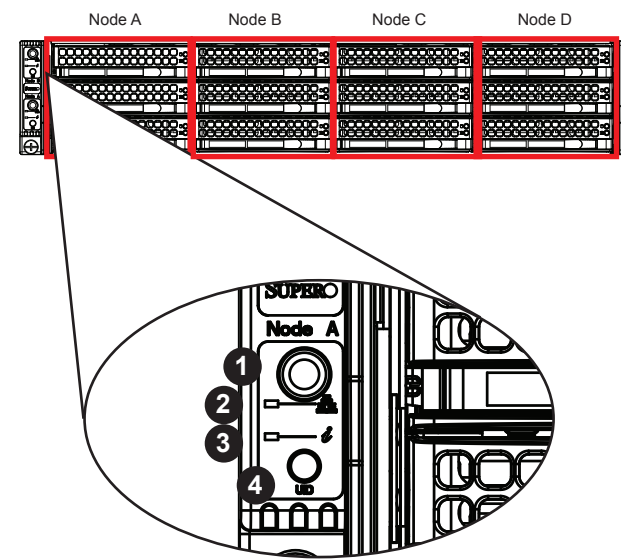
Always use DDR4 DIMM modules of the same type, size and speed. To achieve the best memory performance, fully populate the motherboard with validated memory modules.

## Nodes and Corresponding Hard Drives

Serverboard Drawer Locations in the Chassis	
Serverboard B Controls HDDs B1, B2 and B3	Serverboard D Controls HDDs D1, D2 and D3
Serverboard A Controls HDDs A1, A2 and A3	Serverboard C Controls HDDs C1, C2 and C3

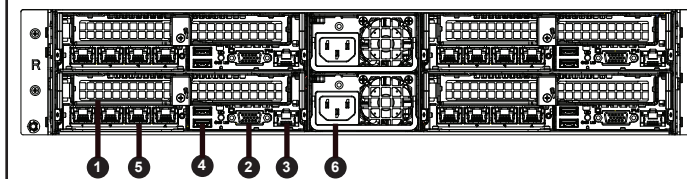


## Front View & Interface



No.	Description
1	Power Button
2	NIC LED
3	Information LED
4	UID Button

## Rear View



No.	Description
1	2 PCI-E 4.0 x16 Slots
2	VGA Port
3	IPMI-dedicated LAN Port
4	2 USB 3.0 Ports
5	SIOM Slot
6	Power Supply Module

## 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

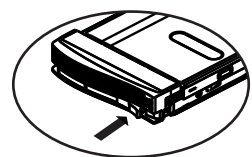
1. Mounting the Heatsink
2. Securing the Heatsink  
Using a diagonal pattern and a Torx T20 driver, tighten the four heatsink screws evenly to 16.1 kgf-cm (14.0 lbf-in) torque.

## 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](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.

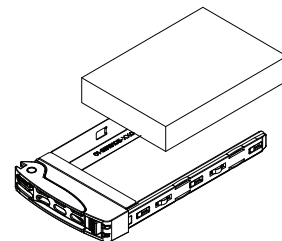
## Hard Drive Installation

### 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. Install a new drive into the carrier with the printed circuit board side facing down so that the mounting holes in the drive align with those in the carrier.
2. Secure the hard drive into the carrier by tightening the six screws.
3. Use the open handle to replace the drive tray into the chassis. Make sure to close the drive tray handle.

