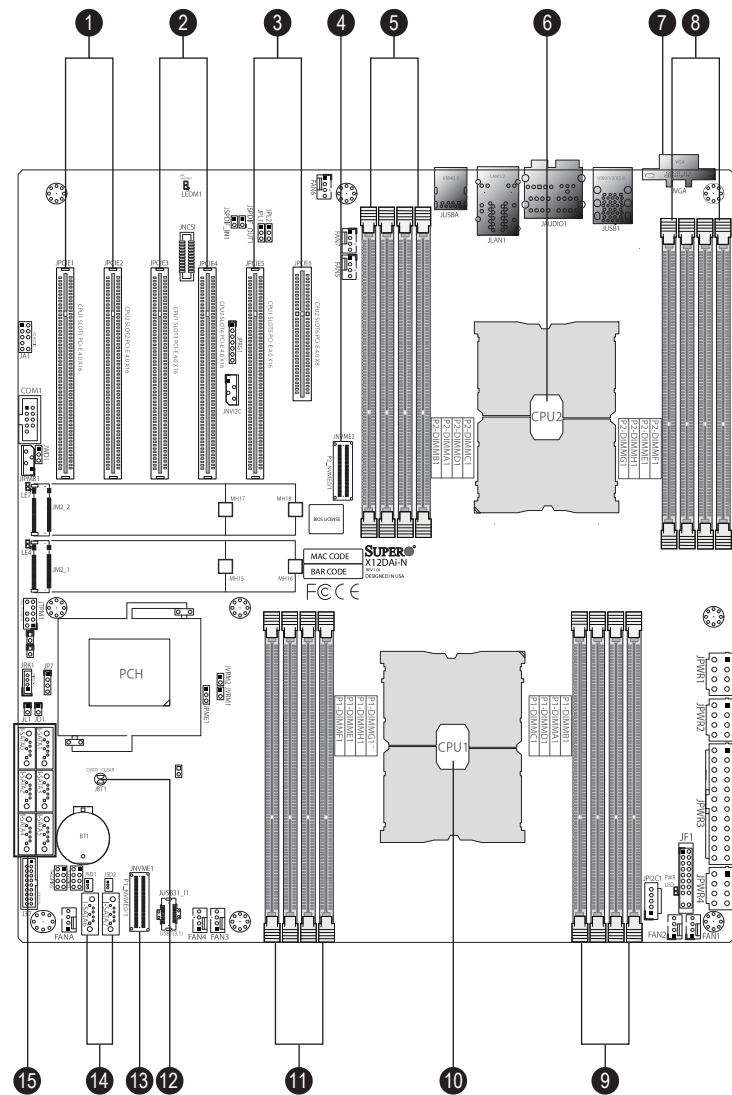


# SUPERMICR<sup>®</sup> SuperWorkstation 730A-I Quick Reference Guide

## Board Layout



No.	Description
1	JPCIE1/2: PCIe 4.0 x16 slot1 supported by CPU1, PCIe 4.0 x16 slot2 supported by CPU2
2	JPCIE3/4: PCIe 4.0 x16 slot3 supported by CPU1, PCIe 4.0 x16 slot4 supported by CPU2
3	JPCIE5/6: PCIe 4.0 x16 slot 5 supported by CPU1, PCIe 4.0 x8 slot 6 supported by CPU2
4	JNVMe2: PCIe 4.0 x8 port for 2 NVMe
5	P2-DIMMC1/P2-DIMMD1/P2-DIMMA1/P2-DIMMB2 slots
6	CPU2
7	VGA
8	P2-DIMMF1/P2-DIMME1/P2-DIMMH1/P2-DIMMG1 slots
9	P1-DIMMB1/P1-DIMMA1/P1-DIMMD1/P1-DIMMC1 slots
10	CPU1
11	P1-DIMMG1/P1-DIMMH1/P1-DIMME1/P1-DIMMF1 slots
12	JBT1: CMOS Clear
13	JNVMe1: PCIe 4.0 x8 port for 2 NVMe
14	I-SATA6/7: SATA 3.0 connection headers with SATA DOM Power supported by the Intel PCH
15	I-SATA 0/1/2/3/4/5: SATA 3.0 connection headers supported by the Intel PCH

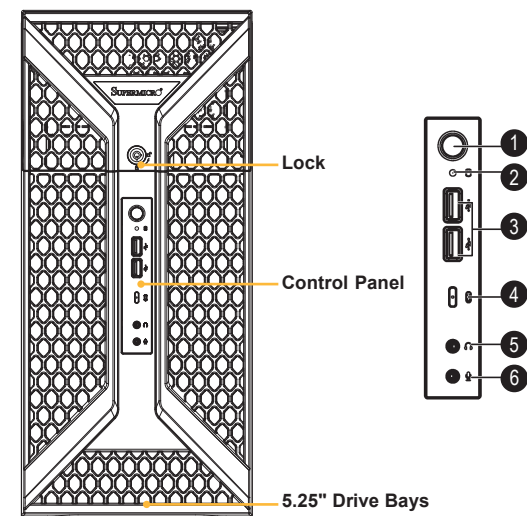
## Memory Support

### DDR4 Memory Population Table for X12DP 16-DIMM Motherboards

When 2 CPUs are used:	Memory Population Sequence
2 CPUs & 2 DIMMs*	CPU1: P1-DIMMA1 CPU2: P2-DIMMA1
2 CPUs & 4 DIMMs*	CPU1: P1-DIMMA1/P1-DIMME1 CPU2: P2-DIMMA1/P2-DIMME1
2 CPUs & 6 DIMMs	CPU1: P1-DIMMA1/P1-DIMME1/P1-DIMMC1/P1-DIMMG1 CPU2: P2-DIMMA1/P2-DIMME1
2 CPUs & 8 DIMMs*	CPU1: P1-DIMMA1/P1-DIMME1/P1-DIMMC1/P1-DIMMG1 CPU2: P2-DIMMA1/P2-DIMME1
2 CPUs & 10 DIMMs	CPU1: P1-DIMMA1/P1-DIMME1/P1-DIMMC1/P1-DIMMG1/P1-DIMMB1/P1-DIMMF1 CPU2: P2-DIMMA1/P2-DIMME1/P2-DIMMC1/P2-DIMMG1
2 CPUs & 12 DIMMs*	CPU1: P1-DIMMA1/P1-DIMME1/P1-DIMMC1/P1-DIMMG1/P1-DIMMB1/P1-DIMMF1 CPU2: P2-DIMMA1/P2-DIMME1/P2-DIMMC1/P2-DIMMG1/P2-DIMMB1/P2-DIMMF1
2 CPUs & 14 DIMMs	CPU1: P1-DIMMA1/P1-DIMME1/P1-DIMMC1/P1-DIMMG1/P1-DIMMB1/P1-DIMMF1/ P1-DIMMD1/P1-DIMMH1 CPU2: P2-DIMMA1/P2-DIMME1/P2-DIMMC1/P2-DIMMG1/P2-DIMMB1/P2-DIMMF1/ P2-DIMMD1/P2-DIMMH1
2 CPUs & 16 DIMMs*	CPU1: P1-DIMMA1/P1-DIMME1/P1-DIMMC1/P1-DIMMG1/P1-DIMMB1/P1-DIMMF1/ P1-DIMMD1/P1-DIMMH1 CPU2: P2-DIMMA1/P2-DIMME1/P2-DIMMC1/P2-DIMMG1/P2-DIMMB1/P2-DIMMF1/ P2-DIMMD1/P2-DIMMH1

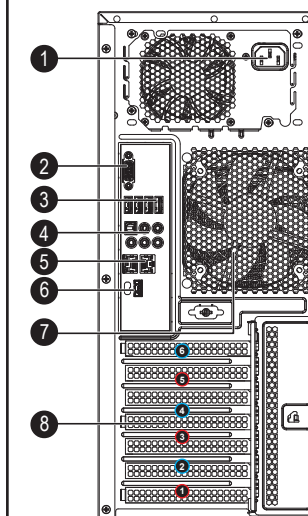
\*Note: This memory configuration is recommended by Supermicro for optimal memory performance. Please use this configuration to maximize your memory performance.

## Front view & Interface



No.	Description	No.	Description
1	Power Button	4	1 USB 3.2 Gen2 Type C Port
2	HDD activity LED	5	Audio out
3	2 USB 3.2 Gen1 Ports	6	Mic in

## Rear View

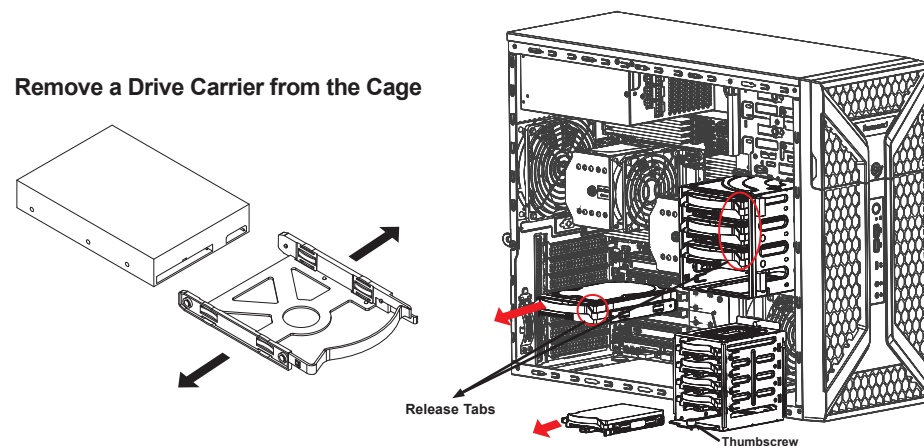


No.	Description
1	Power Supply
2	VGA
3	4 USB 3.2 Gen1 Ports
4	7.1 HD Audio
5	2 LAN Ports
6	USB 3.2 Gen2 Port
7	Fan
8	Expansion Slots

No.	Slot Name	Description
1.3.5	JPCIE1/3/5	PCIe 4.0 x16 slot (CPU1)
2.4	JPCIE2/4	PCIe 4.0 x16 slot (CPU2)
6	JPCIE6	PCIe 4.0 x8 slot (CPU2)

## Hard Drives Installation

### Remove a Drive Carrier from the Cage



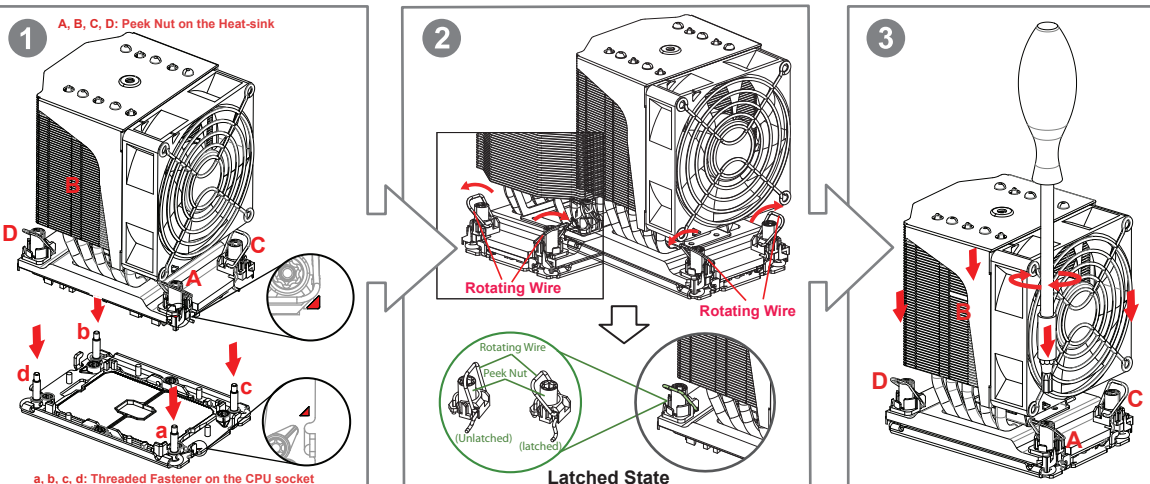
### 3.5" Hard Drives

1. Rotate the hard drive cage outward.
2. Disconnect all of the cables from the hard drive.
3. Press the release tab on the side of the hard drive carrier.
4. Slide the hard drive carrier out of the cage.

### 2.5" Hard Drives (Optional)

1. Remove the hard drive tray.
2. Mount a hard drive into the hard drive tray
3. Install the hard drive into the chassis.
4. Insert the hard drive carrier into the hard drive cage, sliding it towards the back of the hard drive cage until it clicks into a locked position.
5. Slide the hard drive cage back into the chassis and tighten the thumb screw to secure the cage.

## Heatsink Installation



### Installing Heatsink

1. Tighten the screws in the sequence of A \ B \ C \ D, making sure that each peek nut is properly attached to its corresponding threaded fastener.
2. Press all four rotating wires outwards and make sure that the heatsink is securely latched onto the CPU socket.
3. Mount the fan module onto the Heatsink Module (direction of the arrow on the fan module should be pointing towards the rear of the chassis)

## 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

**CAUTION:**  
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>

