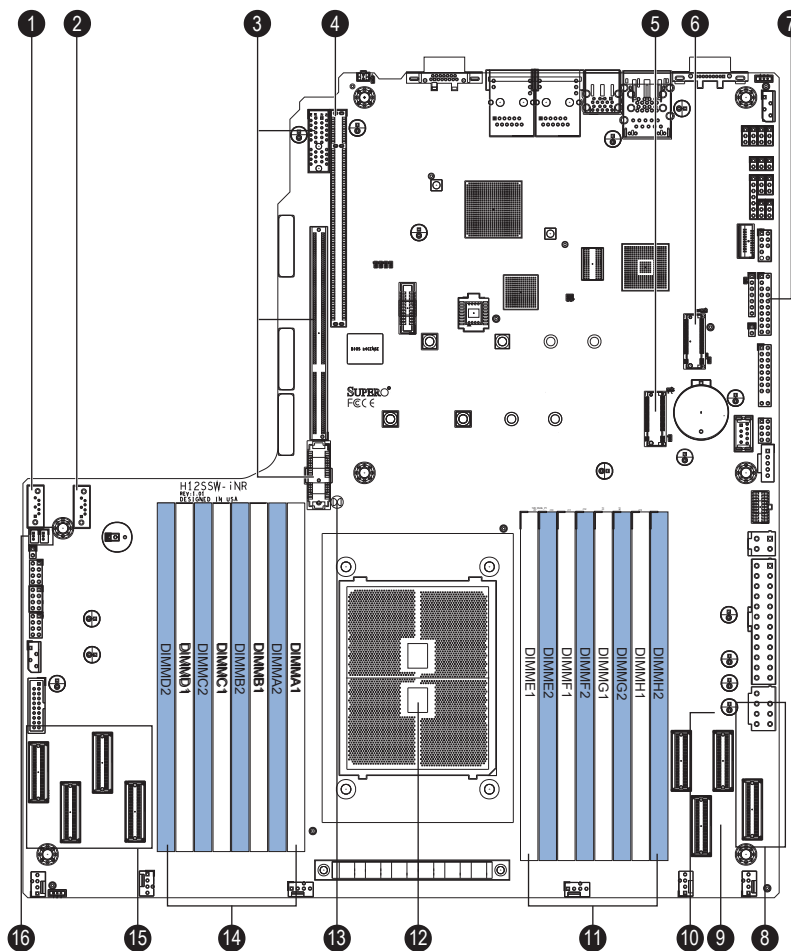


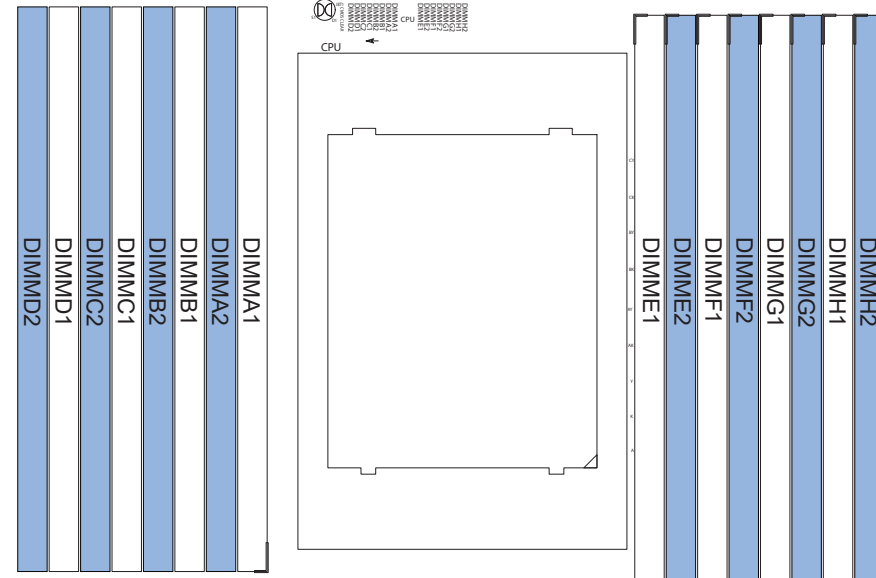
SUPERMICR[®] A+ Server 2114S-WN24RT Quick Reference Guide

Board Layout



No.	Description	No.	Description
1	SATA0 Internal SATA Port	9	NVMe slots 8-9 / SATA slots 0-7
2	SATA1 Internal SATA Port	10	NVMe slots 12-13 / SATA slots 8-15
3	JSXB1A, JSXB1B Riser slots	11	DIMM slots E1-H2
4	JSXB2 Riser slot	12	CPU slot
5	M.2-C1 M.2 Slot	13	Clear CMOS
6	M.2-C2 M.2 Slot	14	DIMM slots A1-D2
7	Trusted Platform Module (TPM)/ Port 80 connector	15	NVMe slots 0-7
8	NVMe slots 10-11, & 14-15	16	JSD1, JSD2 SATA DOM power connector

Memory



DIMM Module Population Sequence

When installing memory modules, the DIMM slots should be populated in the following order: DIMMA2, DIMMB2, DIMMC2, DIMMD2, DIMME2, DIMMF2, DIMMG2, DIMMH2, then DIMMA1, DIMMB1, DIMMC1, DIMMD1, DIMME1, DIMMF1, DIMMG1, DIMMH1.

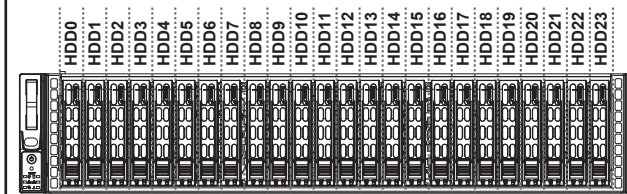
- The blue slots must be populated first.
- Always use DDR4 DIMM modules of the same type, size and speed.
- Mixed DIMM speeds can be installed. However, all DIMMs will run at the speed of the slowest DIMM.
- The motherboard will support odd-numbered modules (1 or 3 modules installed). However, to achieve the best memory performance, fully populate the motherboard with validated memory modules.

Processors and their Corresponding Memory Modules

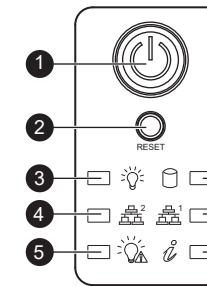
CPU#	Channel																
	A1	A2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H1	H2	
CPU1																	
1 DIMM (Not Recommended)																	
CPU1																	
2 DIMMs (Not Recommended)																	
CPU1																	
4 DIMMs																	
CPU1																	
6 DIMMs																	
Unbalanced and not recommended.																	
CPU1																	
8 DIMMs																	
CPU1																	
16 DIMMs																	
CPU1																	

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

Front View & Interface

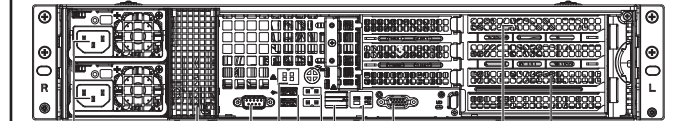


Slot	Description
0-23	Hot-Swap NVMe Drive Bays



No.	Description
1	Power Button
2	Reset Button
3	Power LED
4	NIC2 LED
5	Power Fail LED
6	HDD LED
7	NIC1 LED
8	Universal Information LED

Rear View



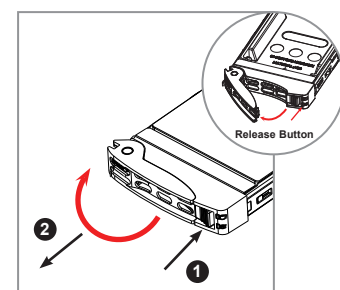
No.	Description
1	Redundant power supply modules
2	2x Hot-swap Rear 2.5" SATA Drive Bays (Optional)
3	Serial Port
4	Dedicated IPMI LAN Port
5	4x USB3.0 Ports
6	2x RJ45 10GBase-T LAN Ports
7	VGA Port
8	PCI-E 4.0 x16 FHHL Slot
9	FHHL (full-height, half length) slot populated with Gen4 retimer cards

CPU Installation

Processor Installation

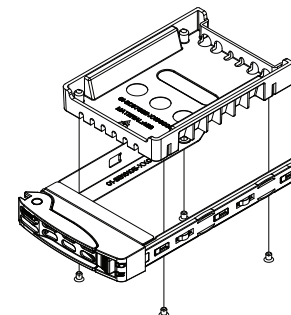
- Removing the Processor Force Frame**
Use a Torx T20 driver to loosen the screws holding down Force Frame in the sequence of 3-2-1. The screws are numbered on the Force Frame next to each screw hole.
- Raising the Force Frame**
- Lifting the Rail Frame**
- Removing the External Cap and PnP Cover Cap**
- Inserting the Carrier Frame/CPU Package**
- Lowering the Force Frame**
- 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.
- The Force Frame Secured**

Hard Drive Installation



Removing a Hot-Swap Drive Carrier from the Chassis

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

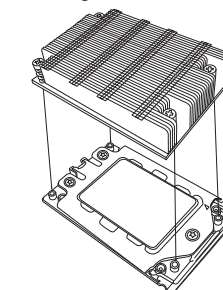


Installing a Drive

- Remove the dummy drive, by removing the screws securing the dummy drive to the carrier. These screws are not used to mount the actual hard drive.
- Insert a drive into the carrier with the PCB side facing down and the connector end toward the rear of the carrier. Align the drive in the carrier so that the screw holes line up.
- Secure the drive to the carrier with four M3 screws, included in the chassis accessory box.
- Insert the drive carrier with the disk drive into its bay, keeping the carrier oriented so that the release button is on the right side. When the carrier reaches the rear of the bay, the release handle retracts.
- Push the handle in until it clicks into its locked position.

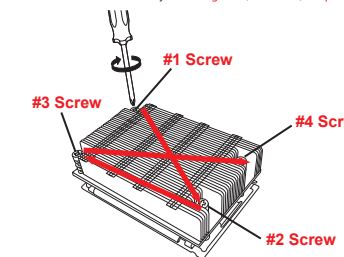
Heatsink Installation

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>

