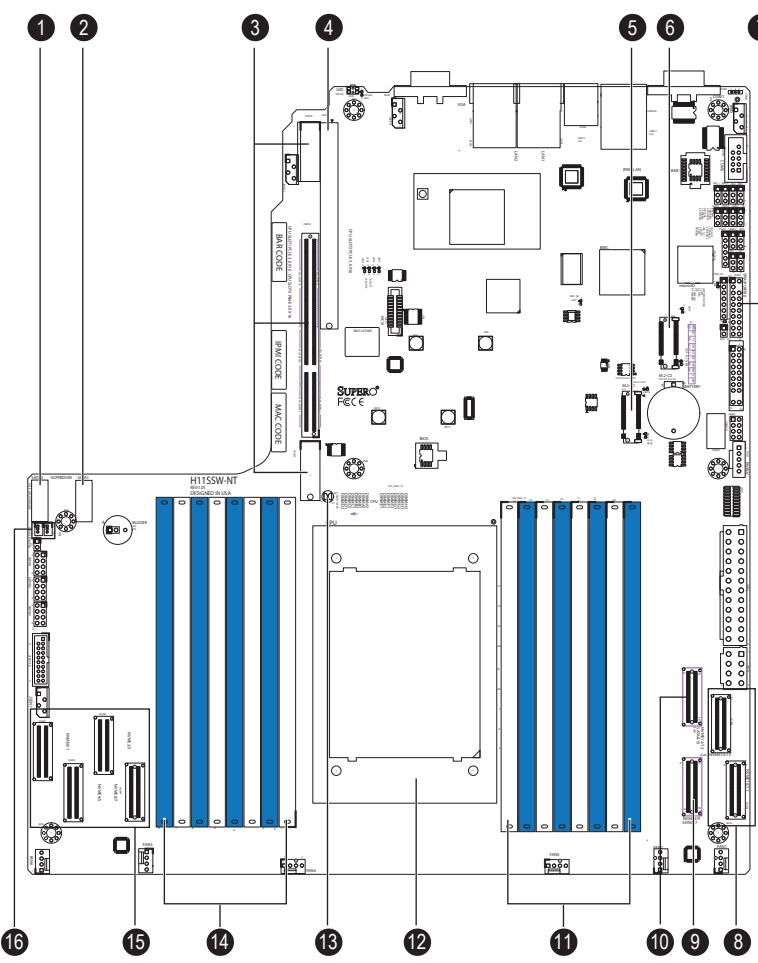


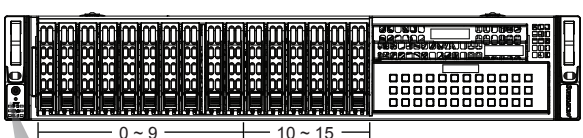
SUPERMICR[®] SuperServer AS-2113S-WTRT Quick Reference Guide

Board Layout



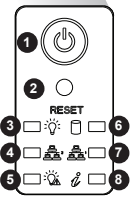
No.	Description	No.	Description
1	SATA0 Internal SATA Port	9	NVMe slots 8-9 / SATA slots 0-7
2	SATA1 Internal SATA Port	10	NVMe slots 12-13 / SATA slots 8-15
3	JSXB1A, JSXB1B Riser slots	11	DIMM slots E1~H2
4	JSXB2 Riser slot	12	CPU slot
5	M.2-C1 M.2 Slot	13	Clear CMOS
6	M.2-C2 M.2 Slot	14	DIMM slots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

Front View & Interface



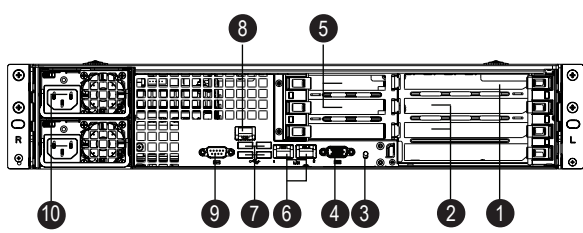
Slot	Description
0 ~ 9	Hot-Swap U.2 NVMe Drive Bays
10 ~ 15	Hot-Swap U.2 NVMe/SATA3* Drive Bays

*SATA3 support requires additional parts in optional parts list



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

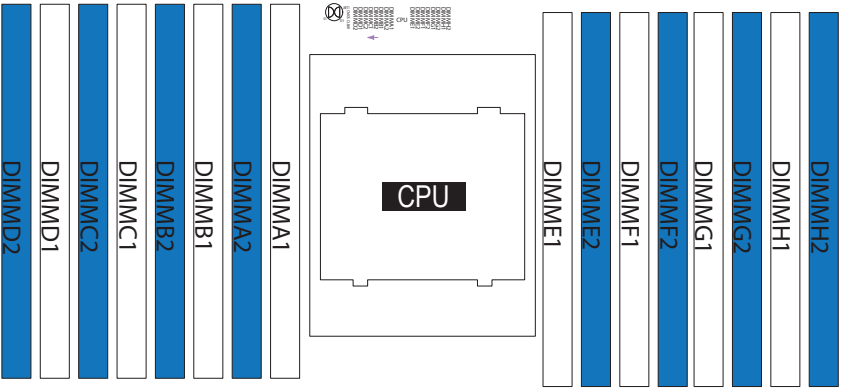
Rear View



No.	Description
1	1 PCI-E 3.0 x16 (FH/HL) Slots
2	2 PCI-E 3.0 x8 (FH/HL) Slots
3	UID Switch & UID LED
4	VGA Port
5	2 PCI-E 3.0 x8 (LP) Slots
6	2 10GbBase-T LAN Ports
7	4 USB 3.0 Ports
8	Dedicated LAN for IPMI
9	Serial Port
10	*Redundant Power Supply Modules

*Full redundancy based on configuration and application load

Memory



Memory Support
The H115SW-NT supports Up to 2 TB of ECC DDR4 2666 MHz speed, RDIMM/LRDIMM/3DS/NVDIMM memory in sixteen slots. Refer to the table below for additional memory information.

DIMM Population Guide															
Channel															
1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
DIMM A1	DIMM A2	DIMM B1	DIMM B2	DIMM C1	DIMM C2	DIMM D1	DIMM D2	DIMM E1	DIMM E2	DIMM F1	DIMM F2	DIMM G1	DIMM G2	DIMM H1	DIMM H2
4 DIMMS*															
	✓				✓				✓				✓		
6 DIMMS															
Unbalanced, not recommended															
8 DIMMS															
	✓		✓		✓		✓		✓		✓		✓		✓
16 DIMMS															
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

*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.

Populating RDIMM/RDIMM 3DS/LRDIMM/LRDIMM 3DS DDR4 Memory Modules

Type	DIMM Population	Maximum DIMM Capacity (GB)			Maximum Frequency (MHz)
		1 Channel	4 Channel	8 Channel	
RDIMM	1R	32GB	128GB	256GB	2666
	2R	64GB	256GB	512GB	2400
LRDIMM	4R	128GB	512GB	1TB	2666
	8R	256GB	1TB	2TB	2666
LRDIMM 3DS	2R2H	64GB	512GB	1TB	2400
	2R4H	128GB	1TB	2TB	2400

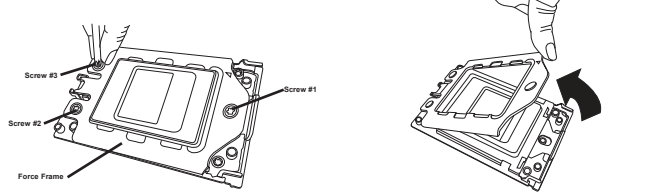
Beep Code

BIOS Error Beep (POST) Codes		
Beep Code/LED	Error Message	Description
1 short	Refresh	Circuits have been reset. (Ready to power up)
5 short, 1 long	Memory error	No memory detected in the system
5 long, 2 short	Display memory read/write error	Video adapter missing or with faulty memory
1 long continuous	System OH	System overheat condition

CPU Installation

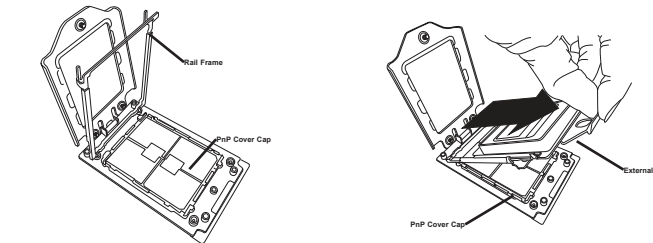
Processor Installation

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



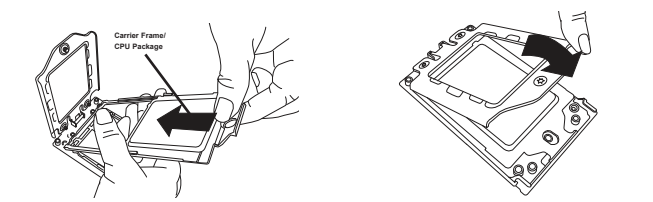
3. Lifting the Rail Frame

4. Removing the External Cap and PnP Cover Cap



5. Inserting the Carrier Frame/CPU Package

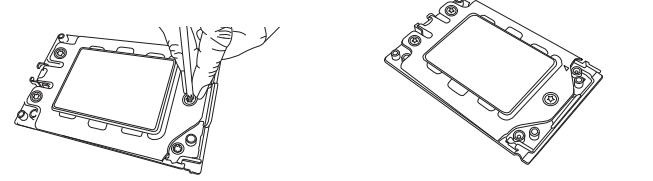
6. Lowering the Force Frame



7. Securing the Force Frame

8. The Force Frame Secured

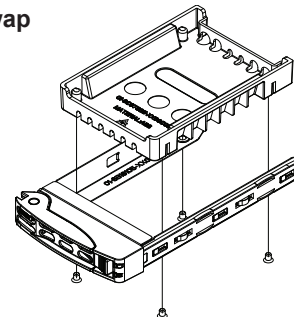
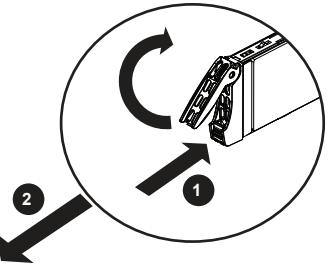
Secure the screws in the order 1-2-3, tightening to 16.1 kgf-cm (14 lbf-in) of torque. The Force Frame secures both the Rail Frame and CPU Package.
Caution: Tightening must be executed in proper 1-2-3 sequence to avoid causing catastrophic damage to the socket or CPU Package.



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. 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.
2. 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.
3. Secure the drive to the carrier with four M3 screws, included in the chassis accessory box.
4. 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.
5. Push the handle in until it clicks into its locked position.



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>

