SUPERMICRO® A+ Server 1113S-WN10RT Quick Reference Guide

Board Layout
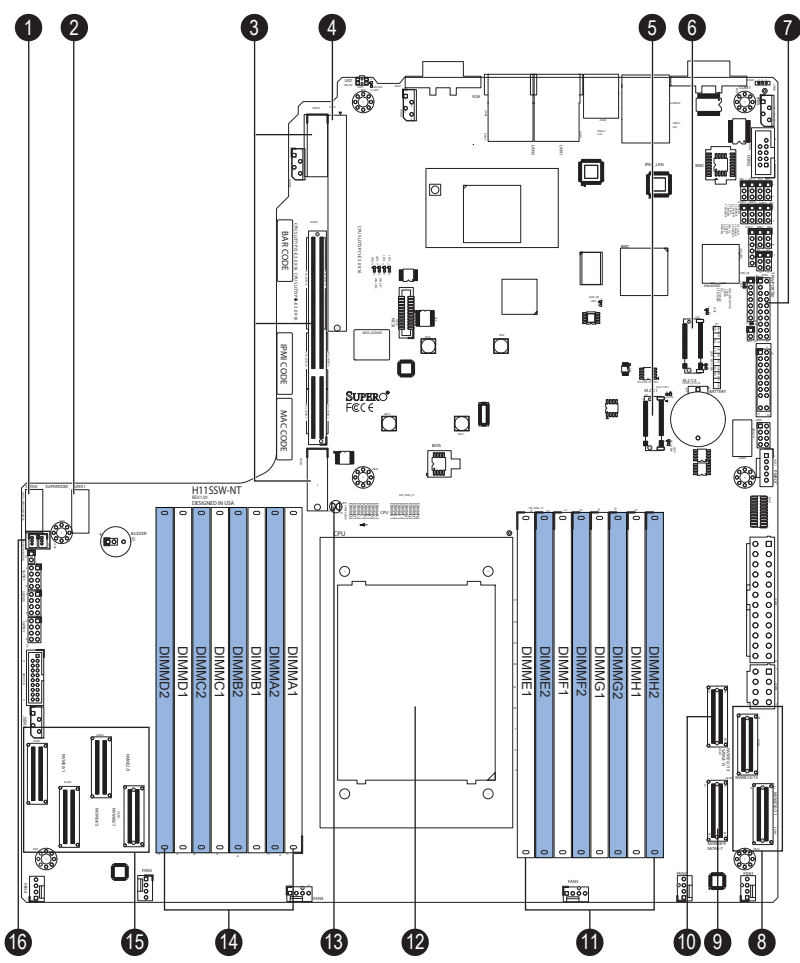
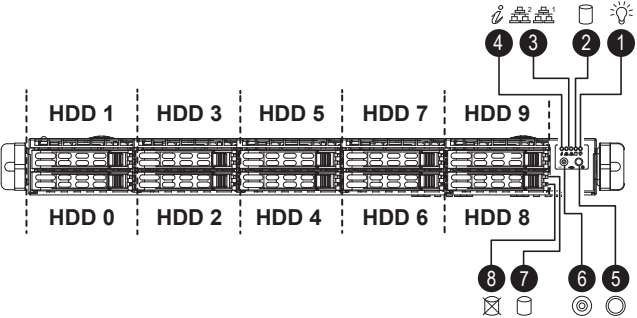| No.	Description	No.	Description
1	SATA0 Internal SATA Port	9	NVMe slots 8-9 / SATA slots 0-7
2	SATA1 Internal SATA Port	10	NVMe slots 12-13 / SATA slots 8-15
3	JSXB1A, JSXB1B Riser slots	11	DIMM slots E1~H2
4	JSXB2 Riser slot	12	CPU slot
5	M.2-C1 M.2 Slot	13	Clear CMOS
6	M.2-C2 M.2 Slot	14	DIMM slots 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

Memory
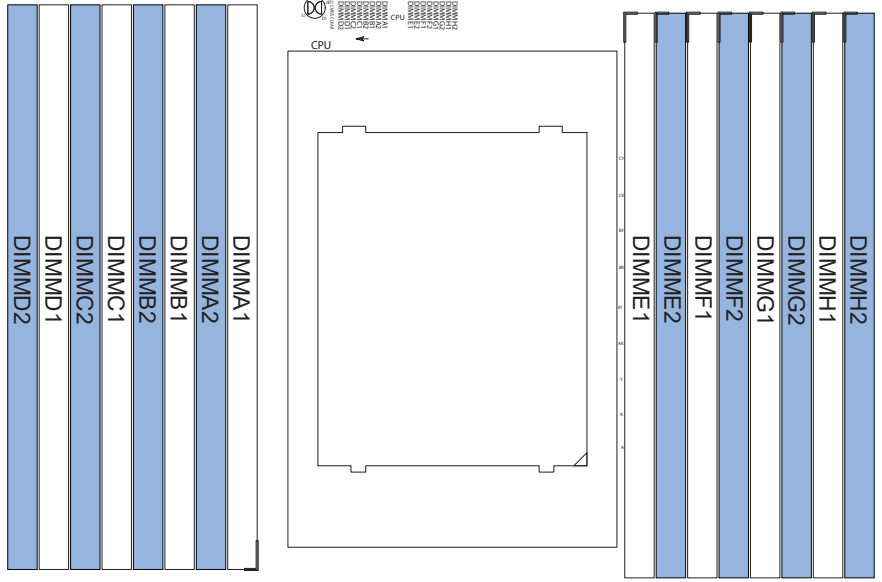
Note:
- The blue slots must be populated first.
- Recommend that we populate all memory channels to maximize memory bandwidth and performance.
- Populating memory of identical size and speed in a way which allows for interleaving may yield better performance with certain workloads.
- Mixing memory types (eg. RDIMM + LRDIMM) in a system is not allowed.

DIMM Population Guide

| Channel															
D2	D1	C2	C1	B2	B1	A2	A1	E1	E2	F1	F2	G1	G2	H1	H2
1 DIMM (Supported, Not Recommended															
		✔													
2 DIMMs (Supported, Not Recommended)															
✔		✔													
4 DIMMs															
✔		✔										✔			✔
6 DIMMs															
Unbalanced, not recommended															
8 DIMMs															
✔		✔		✔		✔			✔		✔		✔		✔
16 DIMMs															
✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔

Remark: DIMM population guild for AMD EPYC® 7002 series, Please refer to system manual for AMD EPYC® 7001 series

Front View & Interface

No.	Description
1	Power LED
2	HDD LED
3	NIC1 LED
4	NIC2 LED
5	Information LED
6	Power Button
7	UID button/LED
8	Hard Drive Signal
9	Hard Drive Fail

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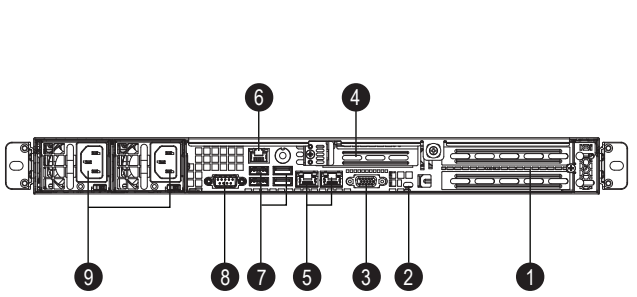
No.	Description
1	2 PCI-E 3.0 x16 (FH/HL) Slots
2	UID Switch & UID LED
3	VGA Port
4	1 PCI-E 3.0 x16 (LP) Slot
5	2 10GbBase-T LAN Ports
6	Dedicated LAN for IPMI
7	4 USB 3.0 Ports
8	Serial Port
9	*Redundant Power Supply Modules

*Redundancy based on configuration and application load

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.

Screw #3
Screw #2
Screw #1
Force Frame

2. Raising the Force Frame

3. Lifting the Rail Frame

Rail Frame
PnP Cover Cap

4. Removing the External Cap and PnP Cover Cap

External Cap
PnP Cover Cap

5. Inserting the Carrier Frame/CPU Package

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

Hard Drive Installation

Release Button

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.

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.

#1 Screw
#3 Screw
#4 Screw
#2 Screw

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