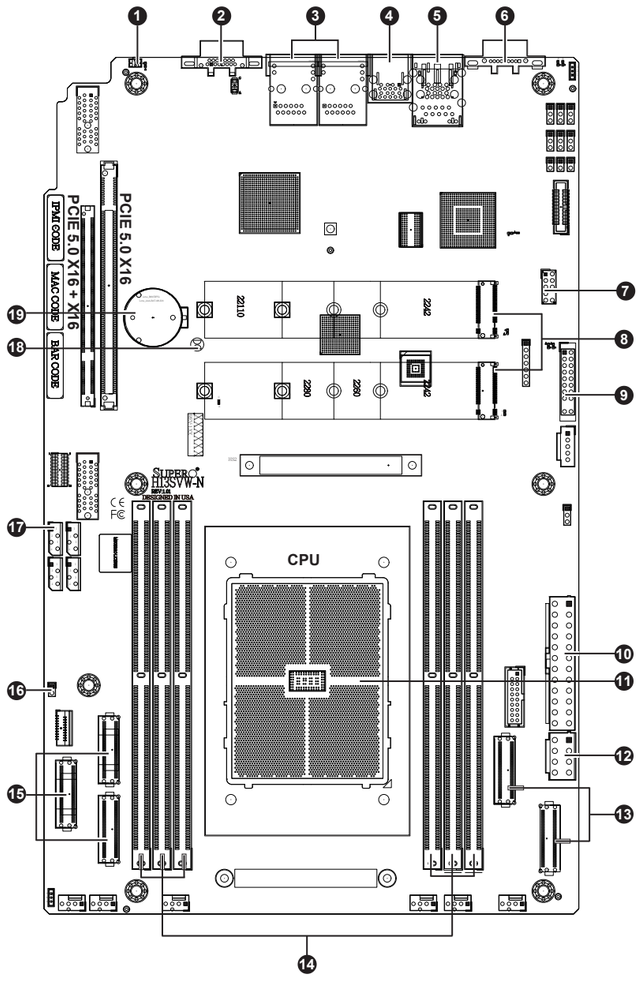
SUPERMICRO® A+ Server 1115S-FWTRT/FDWTRT Quick Reference Guide

Board Layout



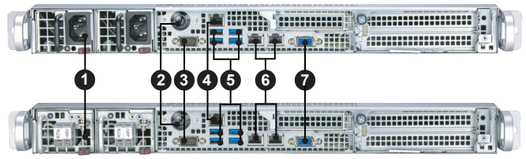
Item	Description
1	UID Button (Unit Identifier Button)
2	VGA Port
3	Ethernet LAN1, LAN2 connectors
4	USB3.0
5	Dedicated IPMI LAN and USB3.0
6	COM Port (Serial Port)
7	JTPM1/Port 80 connector
8	M.2-C1, M.2-C2 slots
9	Front Control Panel
10	JPWR1/24-pin ATX

Item	Description
11	CPU
12	JPWR2 12V 8-pin ATX CPU power connector
13	SATA/NVMe Hybrid Ports
14	DIMM A1-F1 Slots
15	NVMe slots 0~5
16	JL1 Chassis intrusion header
17	JIPMB1 4-pin external BMC I2C header
18	CMOS Clear
19	Onboard CMOS battery

System Overview

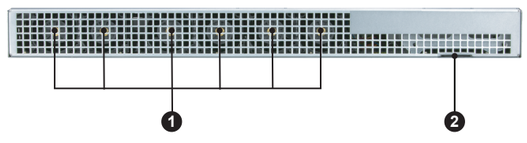
Chassis	CSE-515B-R000WNP
Motherboard	H13SVW-NT
Processor Support	Single AMD EPYC™ 8004 Series processor with up to 64C cores and a thermal design power (TDP) of up to 200W
Memory	Up to 576 GB of Registered ECC DDR5 up to 4800 MT/s SDRAM memory in six slots
Drive Support	Two internal 2.5" SATA/SAS/NVMe drive bays
Expansion Slots	Two PCIe 5.0 x16 slots (full-height, full-length) One PCIe 5.0 x16 slots (low-profile)
I/O Ports	One RJ45 Dedicated IPMI LAN port Two RJ45 10 GbE ports (Broadcom BCM57416) Four USB ports One VGA port One COM port
System Cooling	Six 4-cm counter-rotating fans Passive heatsink for 1U system One air shroud for CPU One optional air shroud for PCIe cards
Power	AS -1115S-FWTRT: Dual redundant AC 800 W AS -1115S-FDWTRT: Dual redundant DC 600 W
Form Factor	1U rackmount, (WxHxD) 17.2 x 1.7 x 16.9 in. (437 x 43 x 429 mm)

Front View and Features



Item	Description
1	1115S-FWTRT: Two AC 800 W redundant power supply modules 1115S-FDWTRT: Two DC 600 W redundant power supply modules
2	Power Button (with Status LED)
3	One serial communication port
4	One RJ45 Dedicated IPMI LAN port (with two LED indicators)
5	Four USB 3.0 ports
6	Two RJ45 LAN ports
7	VGA Port

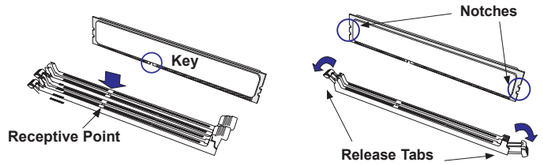
Rear View



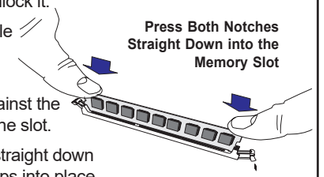
Item	Description
1	6 (internal) 4-cm counter-rotating fans
2	Service Tag

Memory

DIMM Installation



1. Insert the desired number of DIMMs into the memory slots based on the recommended DIMMA1.
2. Push the release tabs outwards on both ends of the DIMM slot to unlock it.
3. Align the key of the DIMM module with the receptive point on the memory slot.
4. Align the ends of the module against the receptive points on the ends of the slot.
5. Press both ends of the module straight down into the slot until the module snaps into place.
6. Press the release tabs to the lock positions to secure the DIMM module into the slot.



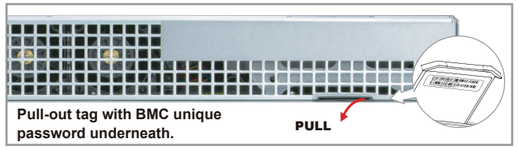
Populating RDIMM DDR5 Memory Modules with 8004 Processors

Type	DIMM Population	Maximum DIMM Capacity(GB)		Maximum Frequency(MT/s)
	DIMM1	1 Channel	6 Channel	
RDIMM	1Rx8	16 GB	96 GB	4800
	1Rx4	32 GB	192 GB	
	2Rx4	64 GB	384 GB	
	2Rx4	96 GB	576 GB	

Recommended Memory Channels

Channel						Node per Socket (NPS)
C1	B1	A1	D1	E1	F1	
1 Channel						
		✓				NPS1
2 Channels						
		✓	✓			NPS2, NPS1
4 Channels						
✓		✓	✓		✓	NPS4, NPS2, NPS1
6 Channels						
✓	✓	✓	✓	✓	✓	NPS2, NPS1

BMC ADMIN User Password



Each system comes with a unique default password for the ADMIN user. This can be found on a sticker on the motherboard and a sticker underneath the service tag on chassis. If necessary, the password can be reset by the Supermicr IPMICFG tool. For more information, please visit:

https://www.supermicro.com/en/solutions/management-software/bmcresources

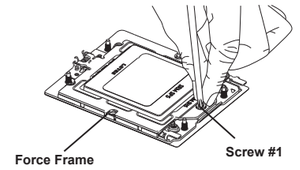
BMC: XXXXXXXXXXXX
PWD: XXXXXXXXXX

CPU Installation

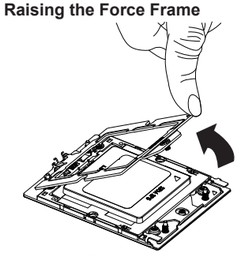
Processor Installation

1. Removing the Processor Force Frame

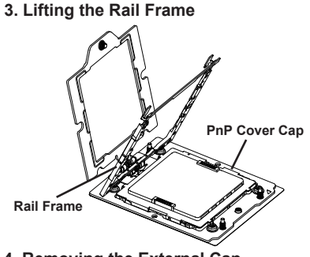
Use a Torx T20 driver to loosen the screws holding down Force Frame in the sequence of 3-2-1. The screws are numbered on the Force Frame next to each screw hole.



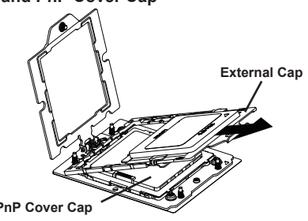
2. Raising the Force Frame



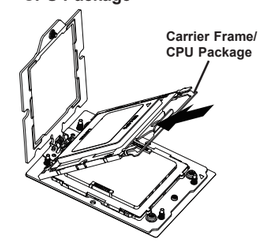
3. Lifting the Rail Frame



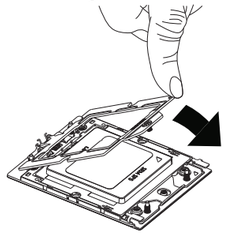
4. Removing the External Cap and PnP Cover Cap



5. Inserting the Carrier Frame/ CPU Package



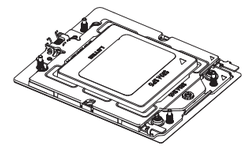
6. Lowering the Force Frame



7. Securing the Force Frame

Secure the screws in the order, 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 sequence to avoid causing catastrophic damage to the socket or CPU Package.

8. Securing the Force Frame



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