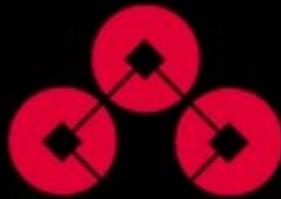




Unitrends FRU Guide - R824S-751/R926S-750/R928S-750

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Written By: MBX Documentation



UNITRENDS

Play IT Safe

INTRODUCTION

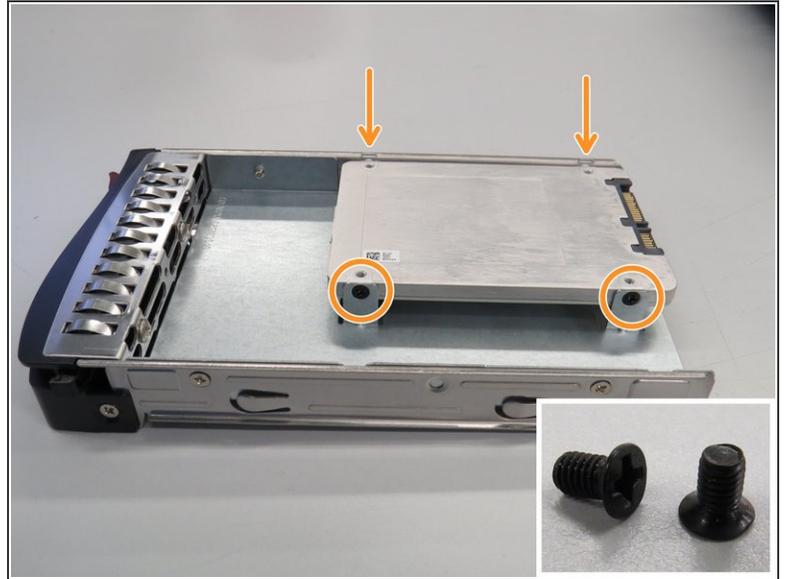
- [**Solid-State Drive \(SSD\)**](#)
- [**Hard Drive \(HDD\)**](#)
- [**Power Supply**](#)
- [**Memory**](#)
- [**Motherboard**](#)
- [**CPU**](#)

Step 1 — Drive Population



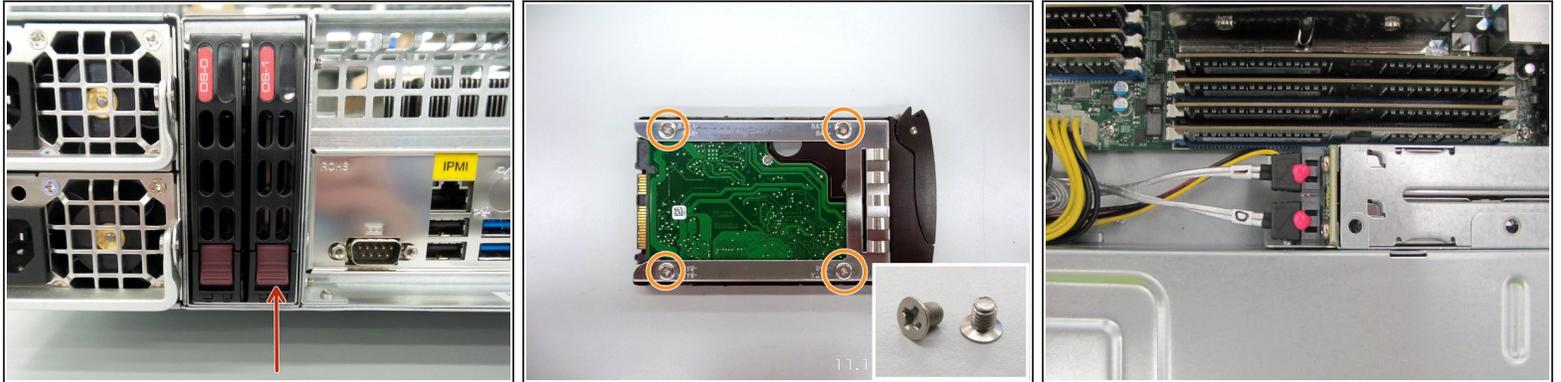
- Solid State Drive(s) (SSD)
- (2) Two OS Drive(s) (HDD)
- Storage Drive(s) (HDD)
 - ⓘ The number of populated HDD bays will vary.

Step 2 — Solid-State Drive (SSD) Removal



- Release the latch on the drive carrier.
- Slide the tray outward until it is free of the chassis.
- To remove the SSD, loosen and remove the (4) four, fine-thread screws from the drive carrier.
- To replace the SSD, repeat these steps in reverse.

Step 3 — R928S - Rear Solid State Drive (SSD) Removal



- Depress the latch, and use the arm that ejects to remove the drive from the chassis.
 - Using a **phillips head** screwdriver, remove the four screws securing the drive to the drive carrier.
- ① To replace the drive, follow these instructions in reverse.
- ☑ [Reference photo showing internal port connection.](#)

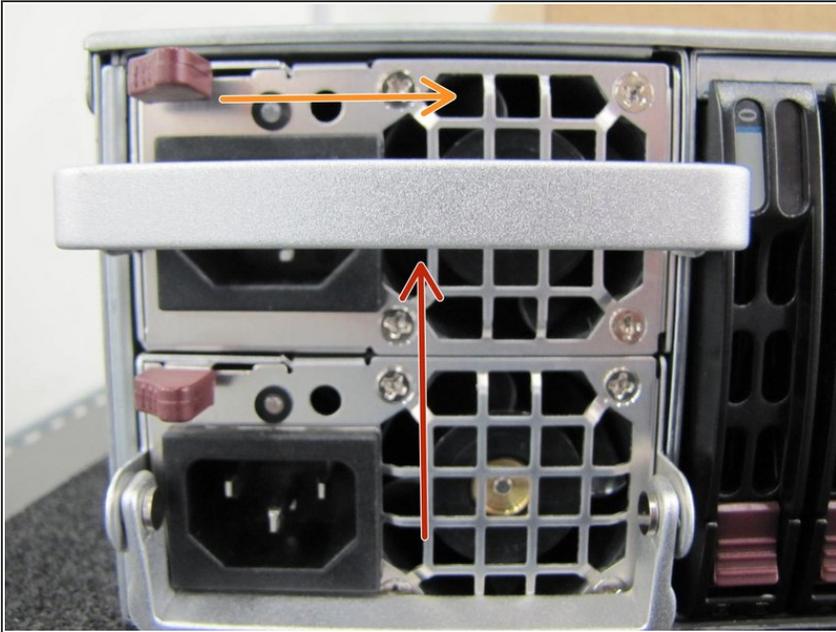
Step 4 — Hard Drive (HDD) Removal 2



ⓘ The number of drives in the system will vary.

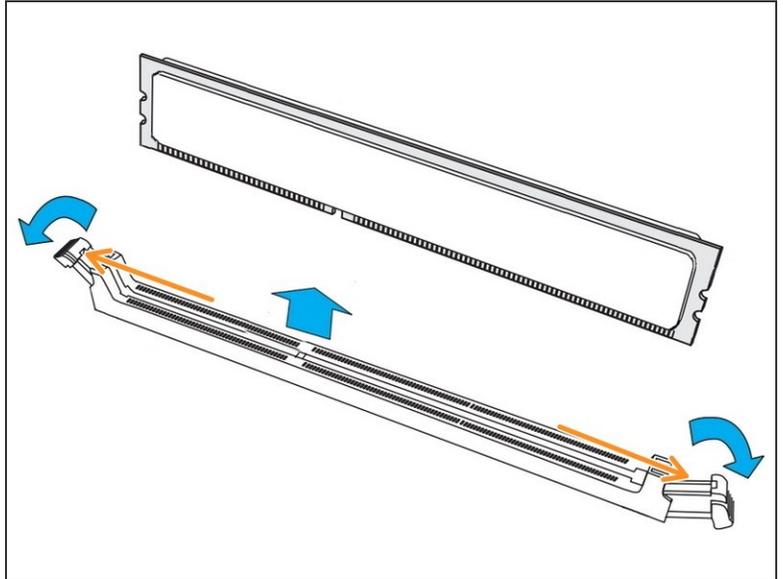
- Depress the latch on the drive carrier.
- Use the arm that extends to pull the drive free of the chassis
- Remove the (4) four screws ((2) two on each side of the carrier).
- To install a new drive, repeat these steps in reverse.

Step 5 — Power Supply Removal 1



- Turn the handle upward until it is at a ninety degree angle to the PSU.
- Slide the PSU latch to the right, and slide the PSU outward until it is free of the chassis.
- To install a PSU, just repeat these steps in reverse.

Step 6 — Memory Removal



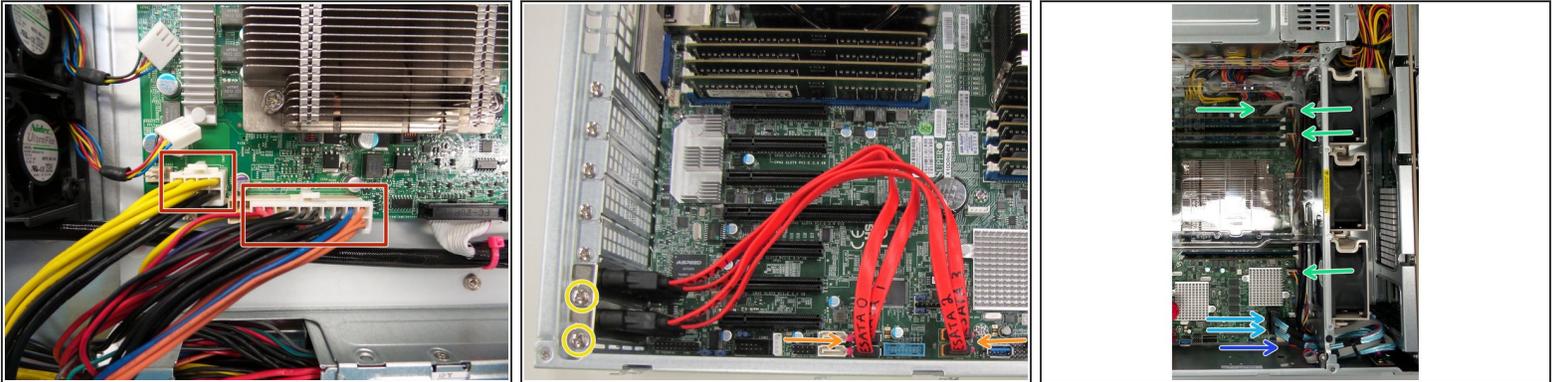
- Remove the two screws, one on each side (when facing the rear), that secure the lid to the chassis.
- Push down on the two circular release tabs on the lid, and then push back towards the rear of the chassis and remove the lid.
- Push down on the release tabs on the memory slot; this will unlock the memory module from the memory slot.
- Carefully pull the memory module **straight out** of the memory slot and remove it from the motherboard.

Step 8 — Motherboard Removal 1



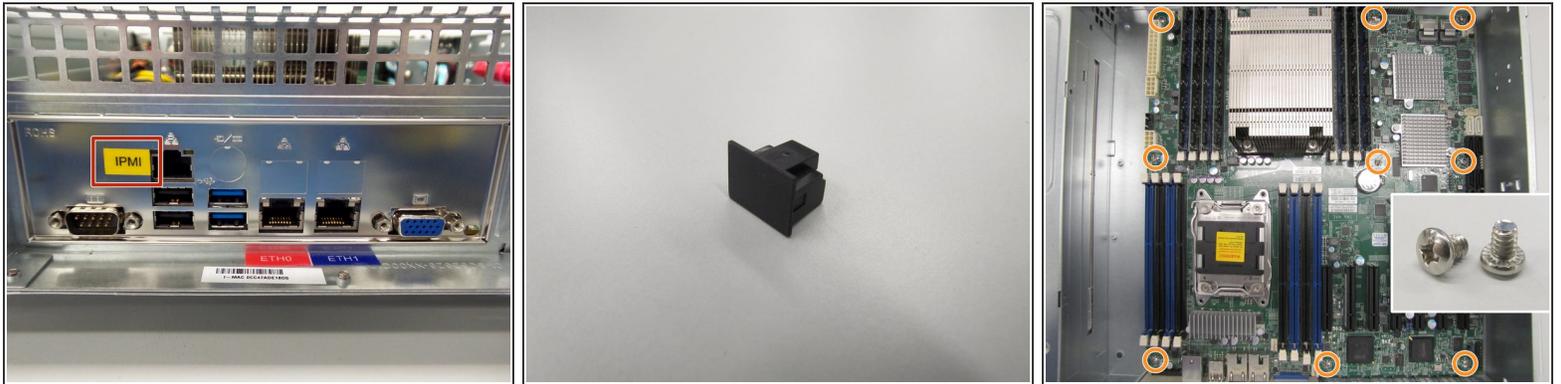
- Remove the two screws, one on each side, that secure the lid to the chassis.
- Push down on the two circular release tabs on the lid, and then push back towards the rear of the chassis and remove the lid.
- Remove the add-in card from the chassis.
- Remove the three screws securing the riser bracket to the chassis. Pull up on the riser/riser bracket and remove it from the chassis.

Step 9 — Motherboard Removal 2



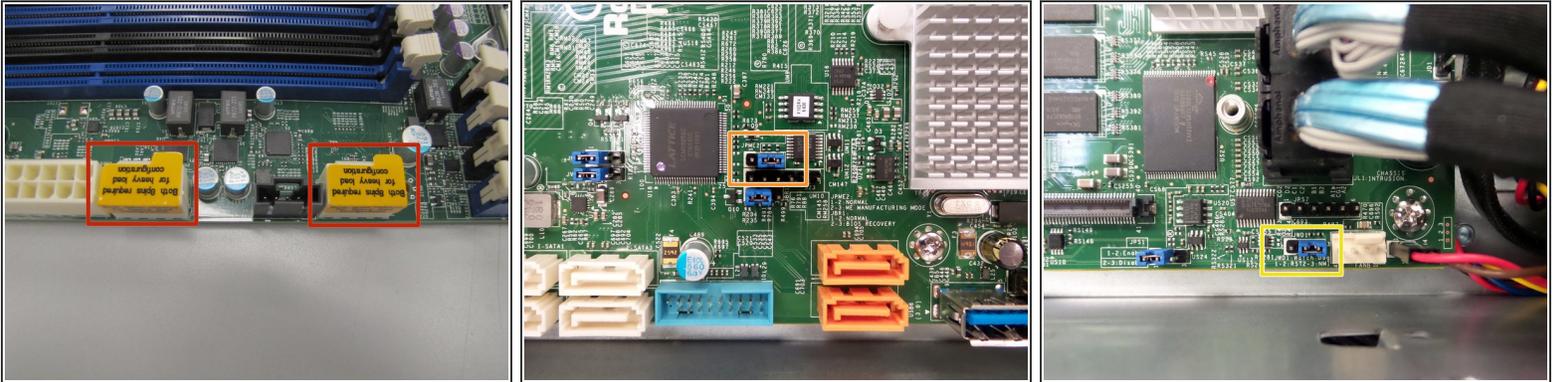
- Unplug the 8-pin P8 and 24-pin ATX power connector from the motherboard.
- Carefully remove the hot glue that secures the SATA data connections and then unplug the SATA cables from the motherboard.
- Using a Phillips head screwdriver, unscrew the highlighted screws from the chassis and remove the two SATA port brackets.
- Unplug the fan cables, and the front panel cable from the motherboard.
- Disconnect the two (2) SAS cables from the motherboard.
- Disconnect the intrusion switch from the motherboard.

Step 10 — Motherboard Removal 3



- ① Make sure there is not a port blocker in the **IPMI** port on the back of the system, if so, remove it carefully.
- ① [Click](#) for **CPU removal** instructions.
- ① [Click](#) for **CPU installation** instructions.
- Remove the nine screws that secure the motherboard to the chassis.
- Carefully remove the motherboard from the chassis.

Step 11 — Motherboard Installation 1



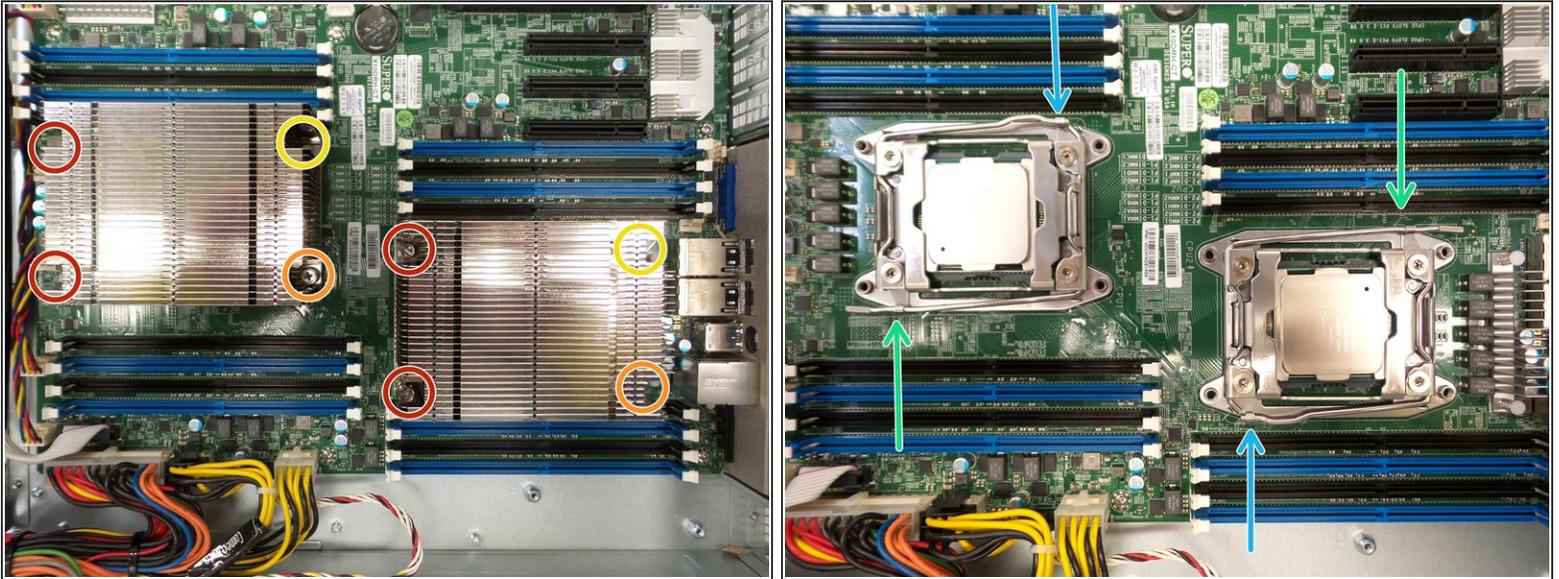
- Verify any tags have been removed, as well as any hanging jumpers.
- Move the JPME2 jumper to the 2-3 pins.
 - ⓘ **The jumper on JPME2 will need to be switched BACK to pins 1-2, AFTER the BIOS has been flashed, or IPMI will not pass.**
- Move the JWD1 jumper to the 2-3 pins.

Step 12 — Motherboard Installation 2



- To install the new motherboard, please follow step 8 through 10 in reverse.
- Concerns: I don't know the port names for the SAS connections.
- How come none of the FRUs mention removing the Heatsink/CPU(s)?

Step 13 — CPU Removal



i To evenly disperse the pressure on the CPU, unscrew the four heatsink screws as follows:

- Loosen each screw a little at a time (two or three turns).
- Move to the screw diagonal from the one currently being loosened.
- Move across to the next screw, and then repeat the process.

☑ The CPU(s) should be wiped clean of the thermal paste.

i To remove the CPU, unhook the tension bar by depressing it and pushing it toward the CPU socket.

- Begin with the "straight" arm.
- Once free, release the "crooked" arm.

Step 14 — CPU Removal 2



- Using the "straight" arm, the cover over the CPU can be raised.
- **Carefully** lift the CPU out of the socket with a suction bladder, or your fingers.
- ⚠ **Verify there is no damage to the socket pins.**
- **Return** to motherboard removal instructions.

Step 15 — CPU Installation



⚠ Verify there is no damage to the socket pins .

ⓘ To replace the CPU, take note:

- The **gold triangle** on this corner of the CPU...
- Should be oriented to this **flattened corner** of the socket...
- So these (4) **notches** will fit around the shapes on the socket.
- Ensure the clamp is out of the way by turning the **crooked** arm away from the socket.

⚠ Once these conditions are met, **carefully** lower the CPU into the socket so that it lies **evenly** within the socket.

- Close the **load plate** and follow the instructions from **Step 13 - 14** in reverse, and **return** to motherboard removal/installation instructions.

