Information for Lot 9 of ErP (Ecodesign)

This addendum addresses European Union (EU) Ecodesign requirements for servers and storage products. All data and ratings within this addendum are in reference only to the Supermicro product(s) in the manual. The below information conforms to requirements laid down in Annex II of the Commission Regulation 2019/424.

3(1)(a): See Section 1.1 of the system manual for the product type.

3(1)(b): See the title page and preface of the system manual for the trademark and manufacturer's address.

3(1)(c): See the title page of the system manual for product model number(s).

3(1)(d): See the serial number on the physical system to determine the year of manufacture.

3(1)(e-j): **PSU Efficiency and Power Factor Value (Table) (From 80 Plus report)**

PSU Model #: PWS-2K-21G2R Watts: 2200W	**PSU Efficiency**				**Power Factor**
% of Rated Load	**10%**	**20%**	**50%**	**100%**	**50%**
Single Output (AC-DC)	82%	91%	94%	91.5%	99%

System (EUT) Efficiency in Idle State Power (Table)

Representative Configurations	**Measured Idle State Power (W)**	**Calculated Idle Power Allowance (W)**
High-End Performance Configuration	2164.1	829.84
Typical Configuration	N/A	N/A
Low-End Performance Configuration	460.8	296.79

System (EUT) Efficiency in Active State Power (Table)

Representative Configurations	**Active State Efficiency Score (Effserver)**	**Minimum Active State Efficiency for 2-Socket Server**
High-End Performance Configuration	**16.6**	**9.5**
Typical Configuration	**N/A**	
Low-End Performance Configuration	**22.2**	

3(1)(k): The operating condition class is **A2**.

	Dry bulb temp °C		Humidity range, non-condensing			
Operating condition class	Allowable range	Recom - mended range	Allowable range	Recommended range	Max dew point (°C)	Maximum rate of change (°C/hr)
A1	15- 32	18-27	– 12 °C Dew Point (DP) and 8 % relative humidity (RH) to 17 °C DP and 80 % RH	– 9 °C DP to 15 °C DP and 60 % RH	17	5/20
A2	10-35	18-27	– 12 °C DP and 8 % RH to 21 °C DP and 80 % RH	Same as A1	21	5/20
A3	5-40	18-27	– 12 °C DP and 8 % RH to 24 °C DP and 85 % RH	Same as A1	24	5/20
A4	5-45	18-27	– 12 °C DP and 8 % RH to 24 °C DP and 90 % RH	Same as A1	24	5/20

3(1)(l): The idle state power at the higher boundary temperature of the operating conditions class is 2553.6 W.

3(1)(m): The active state efficiency and performance is 16.6.

3(1)(n): There are two methods by which a user can securely delete data from this system. The user performing secure data deletion should be an IT professional.

The first is with a Unified Extensible Firmware Interface (UEFI) shell utility. This utility works on X10/X11/H11/H12/M11 motherboard series with onboard SATA/NVMe devices. Any user may access and download this utility through the following link: https://www.supermicro.com/about/policies/disclaimer.cfm?url=/wftp/utility/Lot9_Secure_Data_Deletion_Utility/

Download the shell utility package and extract it to a USB flash drive, then plug the drive into the server for which secure data deletion is necessary. Then turn the system on. Navigate to the BIOS setup menu, then place the server system into the UEFI shell environment. Follow the instructions in the README file to invoke the utility and complete the deletion.

The second method is through the secure data deletion tool provided by the original manufacturer of the hard drive. This should be used in a scenario where the shell utility is not applicable. Each manufacturer should have the tool available on their website. If

needed, please look on the hard drive label for the name of the manufacturer and model information.

3(1)(o): List of recommended combinations of blade servers with chassis: N/A.

3(1)(p): List of all current SKUs within this product family: AS -4124GO-NART.

3(3)(a): There is no use of cobalt in batteries in this product.

The indicative weight range of neodymium in the HDD is 0.0 if manufactured by Western Digital, and is between 5-25 grams if manufactured by Seagate.

3(3)(b): Please see the disassembly instructions on the next page.

Illustrated System Disassembly Instructions

Please note: All the illustrations in the below disassembly instructions are for demonstration only. Components shown here may not match exactly with the components in your system.

CAUTION: Always power off the system and unplug the power cord(s) first before disassembling the system!

---

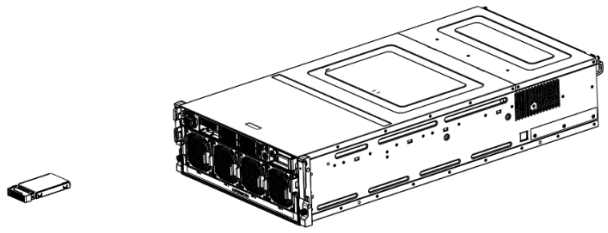
1. Data Storage Devices

Type and number of fastenings: One (1) latch per drive module.

Tools required: None.

Procedure:

1. Push the release button on the carrier and swing the handle fully.
2. Grip the handle and pull the drive carrier out of its bay.
3. Pull the four tabs holding the HDS and push the HDS from the bottom to release.



REMOVING ONE DRIVE TRAY FROM FRONT SYSTEM

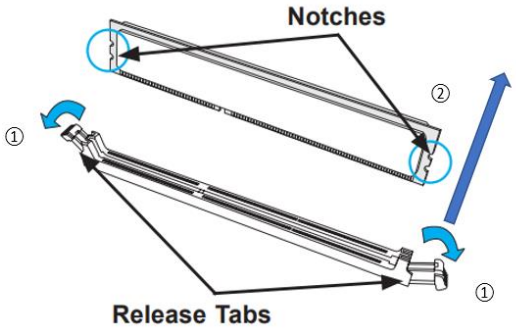
---

2. Memory

Type and number of fastenings: Two (2) latches per memory module.

Tools required: None.

Procedure: Press both release tabs on the ends of the memory module to unlock it. Once the module is loosened, remove it from the memory slot.



---

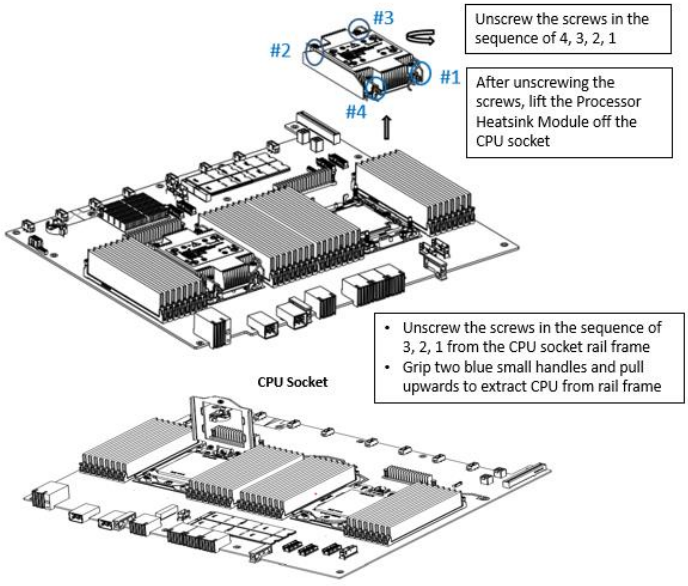
3. Processor

Type and number of fastenings: Four (4) T30 Torx screws.

Tools required: Screwdriver with T30 Torx bit.

Procedure:

1. Unscrew the heatsink in the sequence of 4, then 3, then 2, then 1, as marked in the illustration below.
2. After unscrewing the heatsink, lift the processor heatsink module off the processor socket.
3. Unscrew the processor socket rail frame in the sequence of 3, then 2, then 1.
4. Lift the rail frame using the lift-tabs near the front end of the rail frame. Note that the rail frame is spring-loaded, so use caution when lifting it up into a vertical position.
5. Grip the two blue handles of the carrier and pull upward to extract the processor from the rail frame.



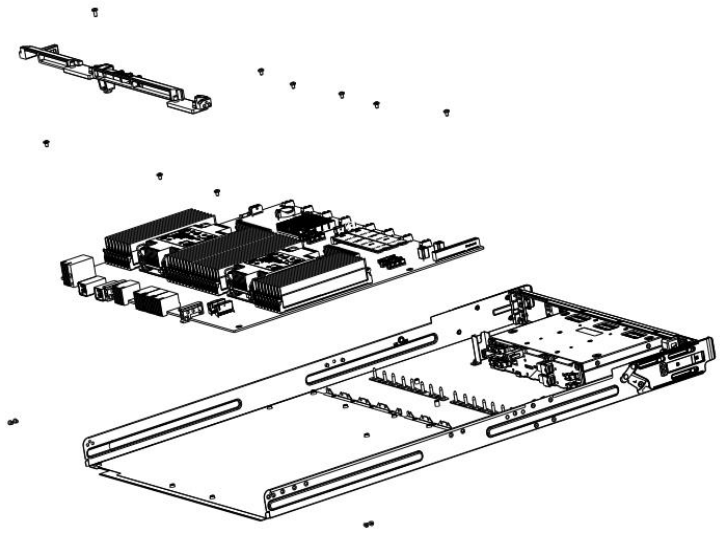
REMOVING ONE CPU FROM CPU BOARD

4. Motherboard

Type and number of fastenings: 11 Phillips screws.

Tools required: Screwdriver with PH2 bit.

Procedure: Remove all 11 Phillips screws. Lift the motherboard from its base.



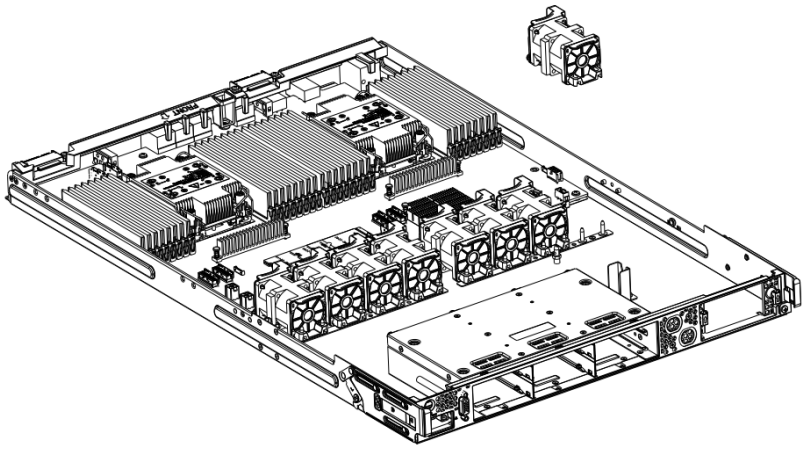
REMOVING MB

5. Fans

Type and number of fastenings: One (1) fan header per fan.

Tools required: None.

Procedure: Disconnect the fan wiring from the fan header on the motherboard. Then remove the fan from the fan tray.



REMOVING FANS

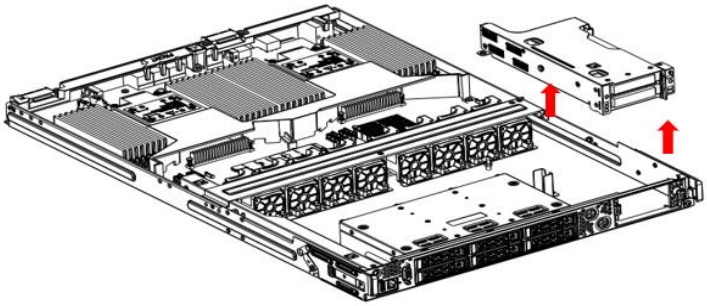
---

6. Riser Card

Type and number of fastenings: Two (2) quick-release tabs.

Tools required: None.

Procedure: Unlock the two quick-release tabs, then carefully remove the riser card from the riser card slot, lifting it up and away from the riser card expansion.



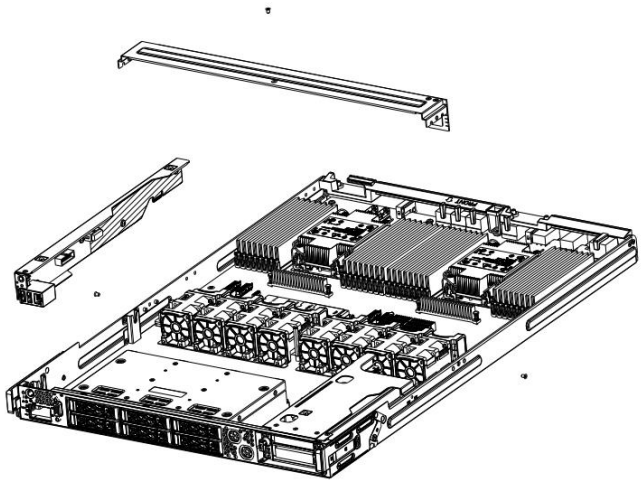
Removing riser card

7. I/O Card

Type and number of fastenings: Three (3) Phillips screws.

Tools required: Screwdriver with PH2 bit.

Procedure: Remove all three Phillips screws and fan protection bar. Unlock the two latches and carefully remove the I/O card from the IO card slot, lifting it up from the I/O card expansion.



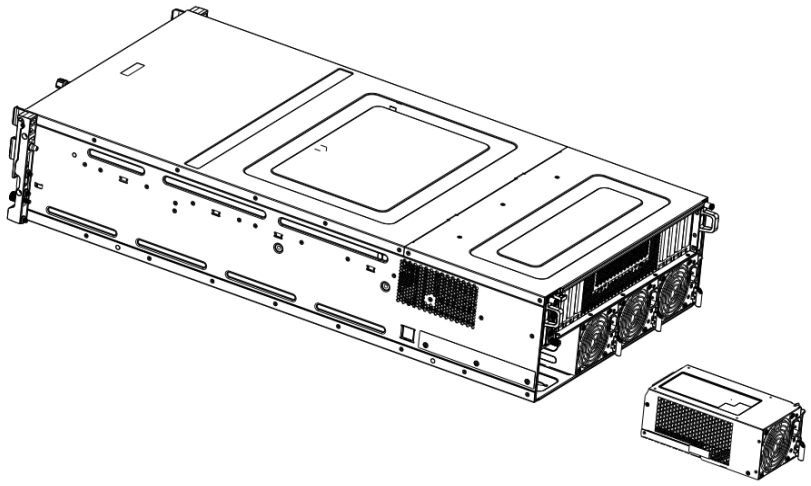
REMOVING IO CARD

8. Power Supply Module

Type and number of fastenings: One (1) latch per module.

Tools required: None.

Procedure: Unplug the power cord from the power supply. Push the release tab on the back of the power supply module to the side and pull the module straight out.



REMOVING POWER SUPPLY MODULE

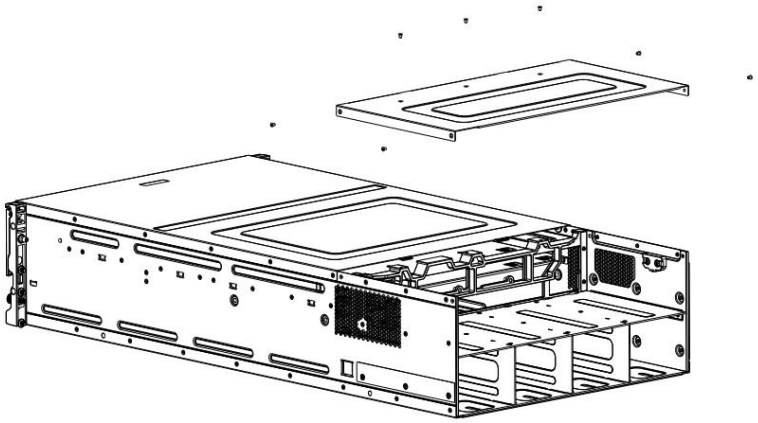
---

9. Chassis Cover

Type and number of fastenings: Seven (7) Phillips screws.

Tools required: Screwdriver with PH2 bit.

Procedure: Remove all seven Phillips screws. Lift the chassis cover from its base.



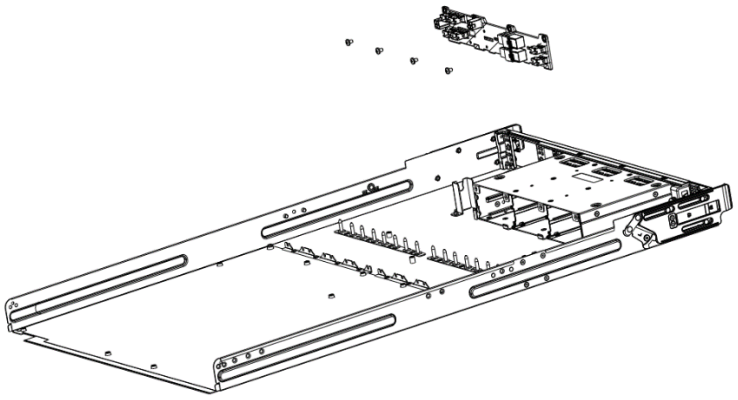
REMOVING CHASSIS COVER

10. Front Backplane

Type and number of fastenings: Four (4) Phillips screws.

Tools required: Screwdriver with PH2 bit.

Procedure: Remove the four screws, then pull the front backplane board out from the storage drive assembly.



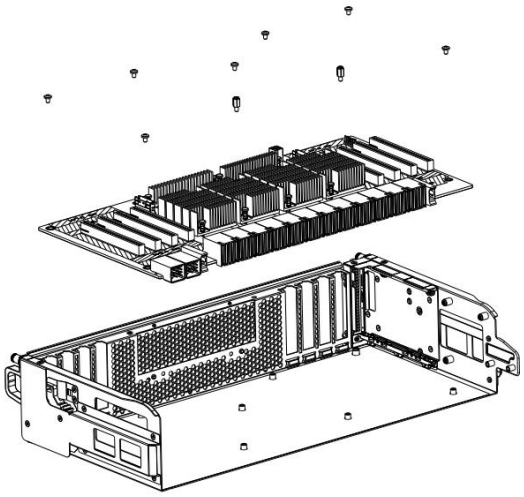
REMOVING THE DRIVE TRAY BACKPLANE FROM THE CPU TRAY

11.Switchboard

Type and number of fastenings: Nine (9) Phillips screws.

Tools required: Screwdriver with PH2 bit.

Procedure: Pull the small center assembly out and remove all nine screws. Then pull the switchboard from the storage drive assembly.



REMOVING SWITCH BOARD

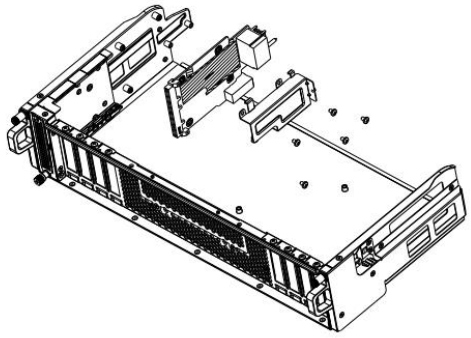
---

12. AIOM Adapter Board

Type and number of fastenings: Five (5) Phillips screws.

Tools required: Screwdriver with PH2 bit.

Procedure: Pull the small center assembly out and remove all five screws from the AIOM adapter board. Then pull the adapter from the AIOM adapter assembly.



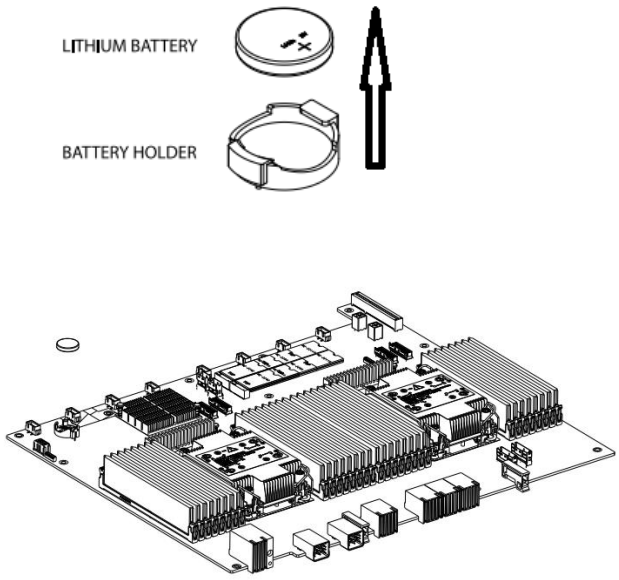
Removing AIOM Adapter Board

13. Batteries

Type and number of fastenings: One (1) latch.

Tools required: None.

Procedure: Push aside the small clamp that covers the edge of the battery. When the battery is released, lift it out of the holder.



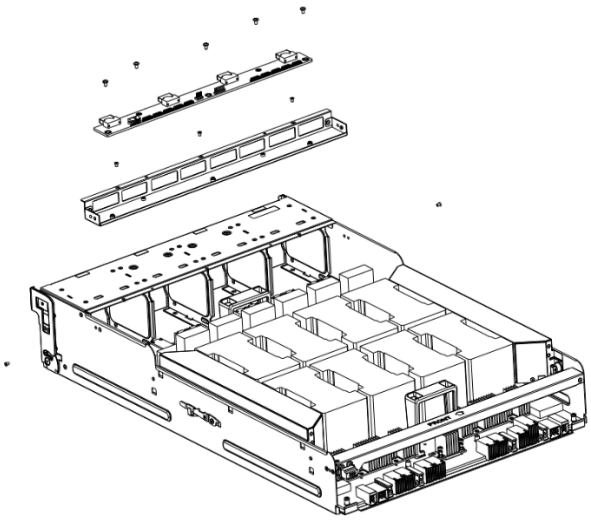
REMOVING BATTERIES

14. GPU Fan Board

Type and number of fastenings: 10 Phillips screws.

Tools required: Screwdriver with PH2 bit.

Procedure: Pull the GPU tray out from the system and remove all 10 screws. Then pull the GPU fan board from the fan board assembly.



REMOVING GPU FAN BOARD

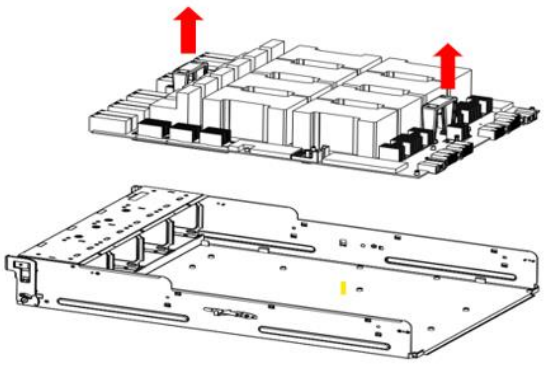
---

15. GPU Board

Type and number of fastenings: 16 Torx T15 screws.

Tools required: Screwdriver with Torx T15 bit.

Procedure: Pull the GPU tray out from the system and unscrew the 16 screws from the GPU baseboard. Hold the GPU handle firmly and pull straight up. *The GPU baseboard is extremely heavy; we strongly recommend having two people support the board when removing it.*



REMOVING GPU BOARD