

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 information below 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-2K09A-1R Watts: 2000 W	PSU Efficiency				Power Factor
	10%	20%	50%	100%	
% of Rated Load	10%	20%	50%	100%	50%
Single Output (AC-DC)	92.8%	94.89%	96.09%	94.53%	0.99

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

Representative Configurations	Measured Idle State Power (W)	Calculated Idle Power Allowance (W)
High-End Performance Configuration	465.4 W	899.7 W
Typical Configuration	N/A	N/A
Low-End Performance Configuration	369.9 W	871.7 W

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	84.9	9.5
Typical Configuration	NA	
Low-End Performance Configuration	94.9	

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

Operating Condition Class	Dry Bulb Temp °C		Humidity Range, Non-Condensing		Max Dew Point (°C)	Maximum Rate of Change (°C/hr)
	Allowable Range	Recommended Range	Allowable Range	Recommended Range		
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 959.34 W.

3(1)(m): The active state efficiency and performance is 82.

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/X12/X13/X14/H11/H12/H13/H14/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 at 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: ARS-221GL-NHIR.

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

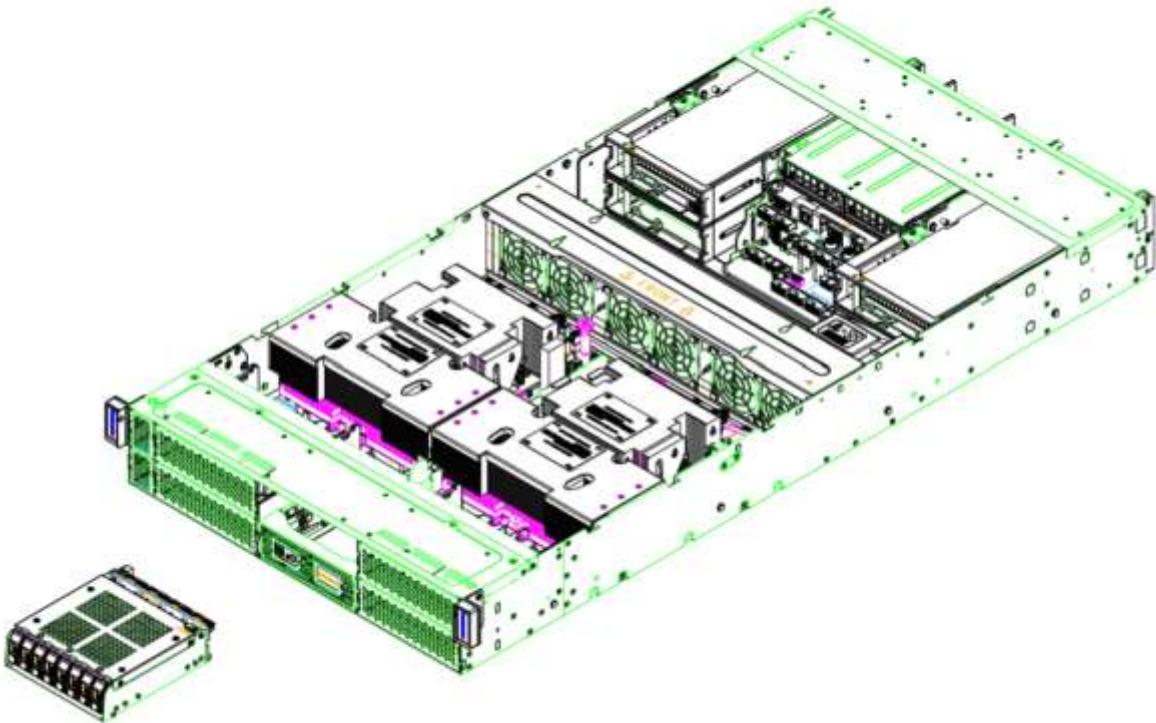
CAUTION: Always power off the system and unplug the power cord(s) first before disassembling the system!

1. E1.S Storage Module

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

Tools required: None

Procedure: Hold down the latch and push out the module.

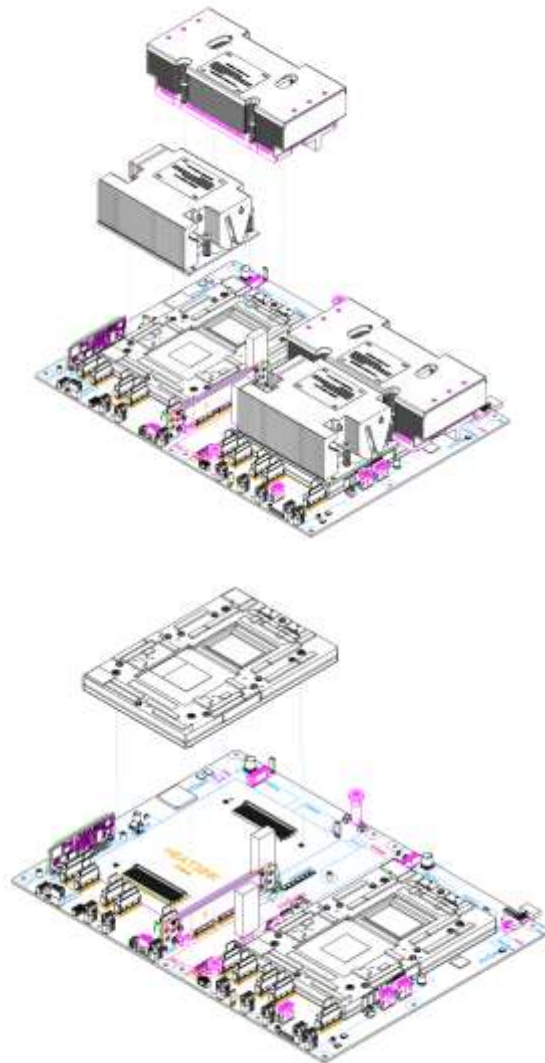


2. Processor

Type and number of fastenings: 12 T30 Torx screws.

Tools required: Screwdriver with T30 Torx bit.

Procedure: Remove the screws of all heatsink modules in the sequence of 4, then 3, then 2, then 1, as marked on the label. After removing the screws, lift the heatsink module off the processor. Remove the processor screws. After removing the screws, lift the processor off the socket.

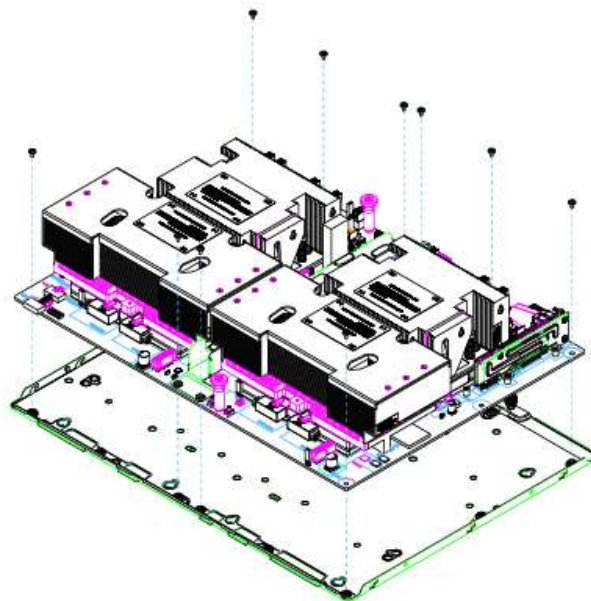
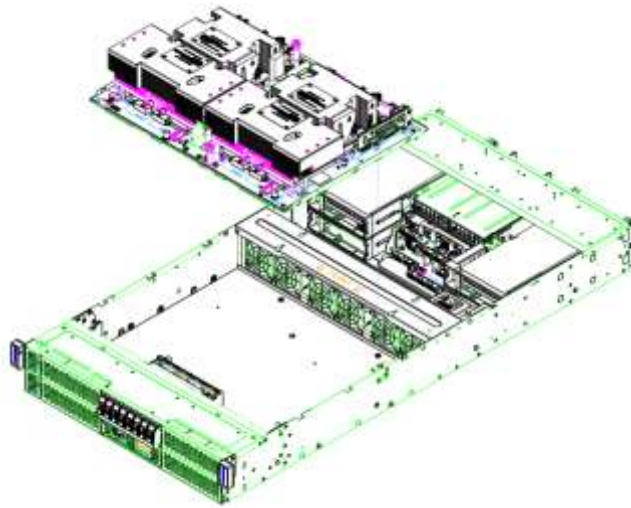


3. Motherboard

Type and number of fastenings: Two (2) thumbscrews and 10 Phillips screws.

Tools required: Screwdriver with PH2 bit.

Procedure: Loosen the motherboard tray thumbscrew and lift the whole motherboard tray from the chassis. Remove all 10 Phillips screws from the motherboard tray. Lift the motherboard from its base.

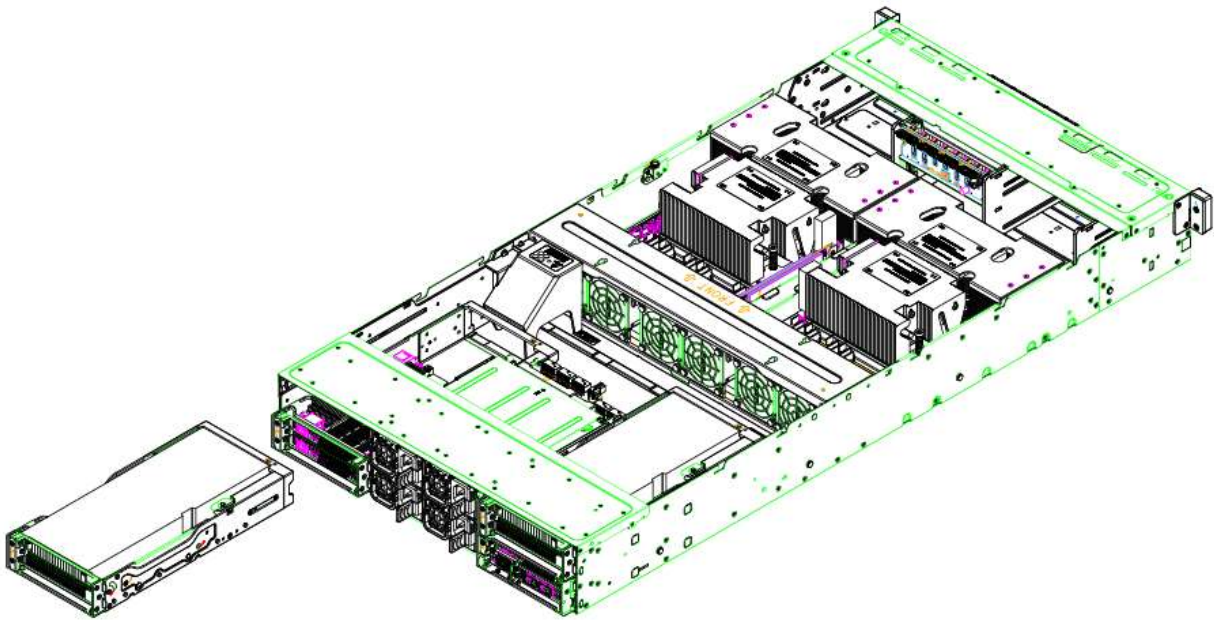


4. Expansion Card Module

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

Tools required: None.

Procedure: Hold down the latch and push out the module.

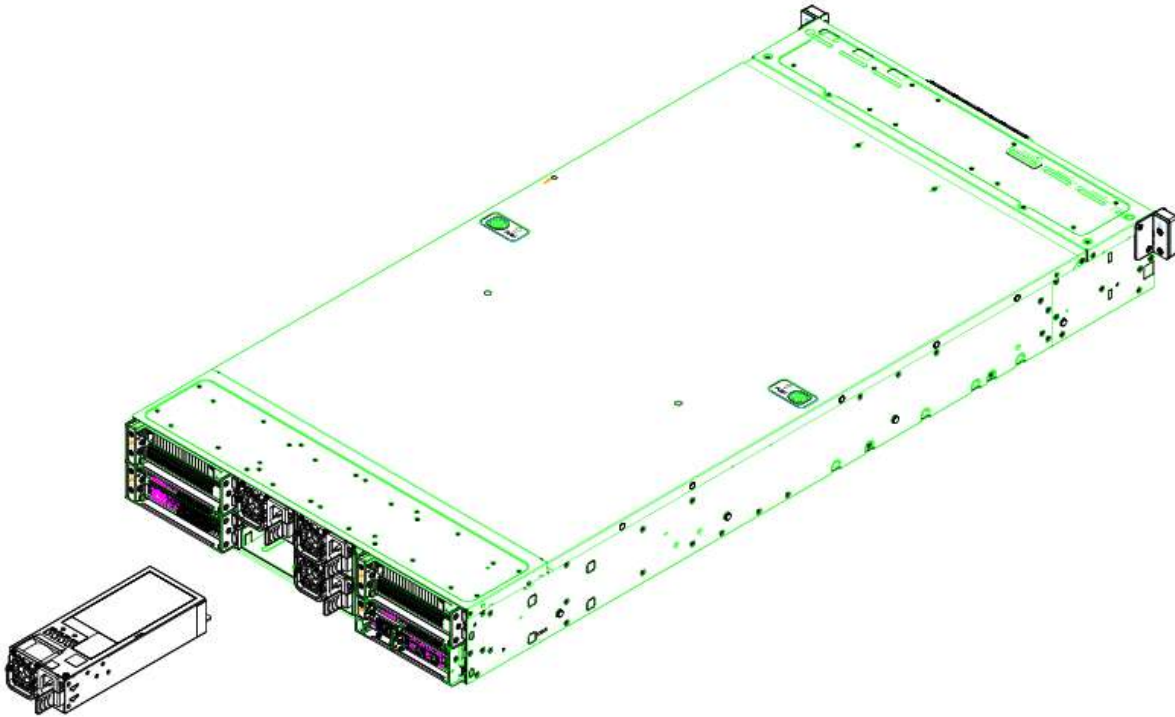


5. Power Supply Module

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.

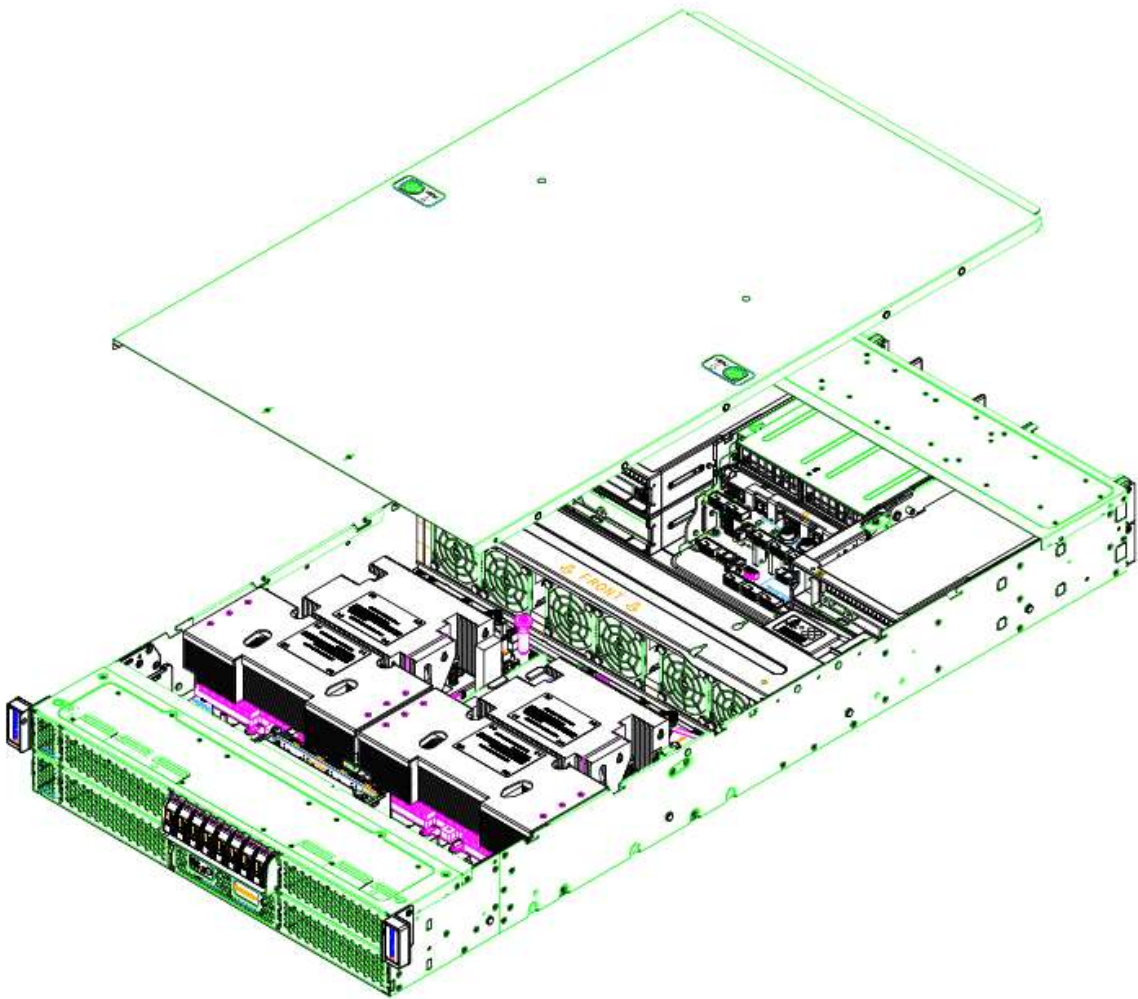


6. Chassis Cover

Type and number of fastenings: Two (2) buttons.

Tools required: None.

Procedure: Hold down the two buttons simultaneously while pushing away the top cover.

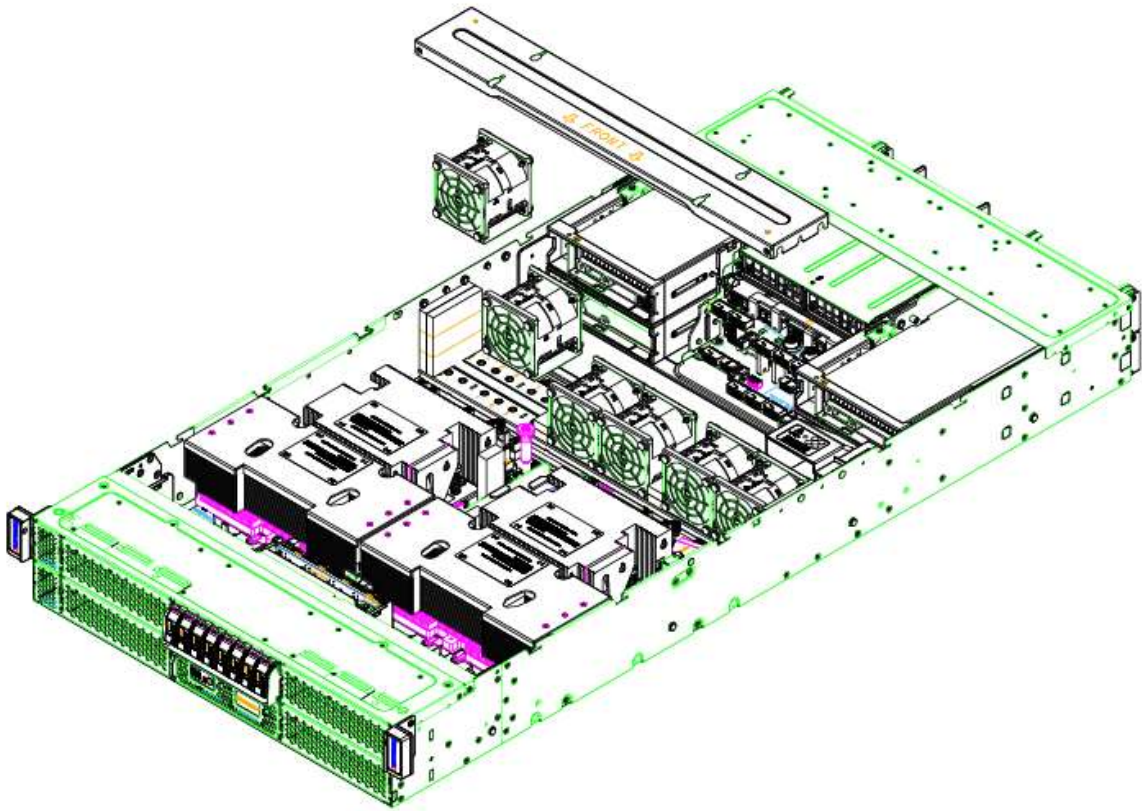


7. Fans

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

Tools required: None.

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



8. Air Shroud

Type and number of fastenings: One (1) Phillips screw.

Tools required: Screwdriver with PH2 bit.

Procedure: Remove the Phillips screw. Lift the air shroud from the chassis.

