

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 products 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-2K21A-BR Watts: 2200W	PSU Efficiency				Power Factor
	10 %	20 %	50 %	100 %	50 %
Single Output (AC-DC)	92.11%	94.50%	96.04%	94.30%	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	208.3	1508.6
Typical Configuration	N/A	N/A
Low-End Performance Configuration	93.55	703.77

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

Representative Configurations	Active State Efficiency Score (Effserver)	Minimum Active State Efficiency
High-End Performance Configuration	140.5	8
Typical Configuration	N/A	
Low-End Performance Configuration	43.2	

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 245.79 W

3(1)(m): The active state efficiency and performance is 140.5

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 the 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 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, check 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 -2116GT-DTNF

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.

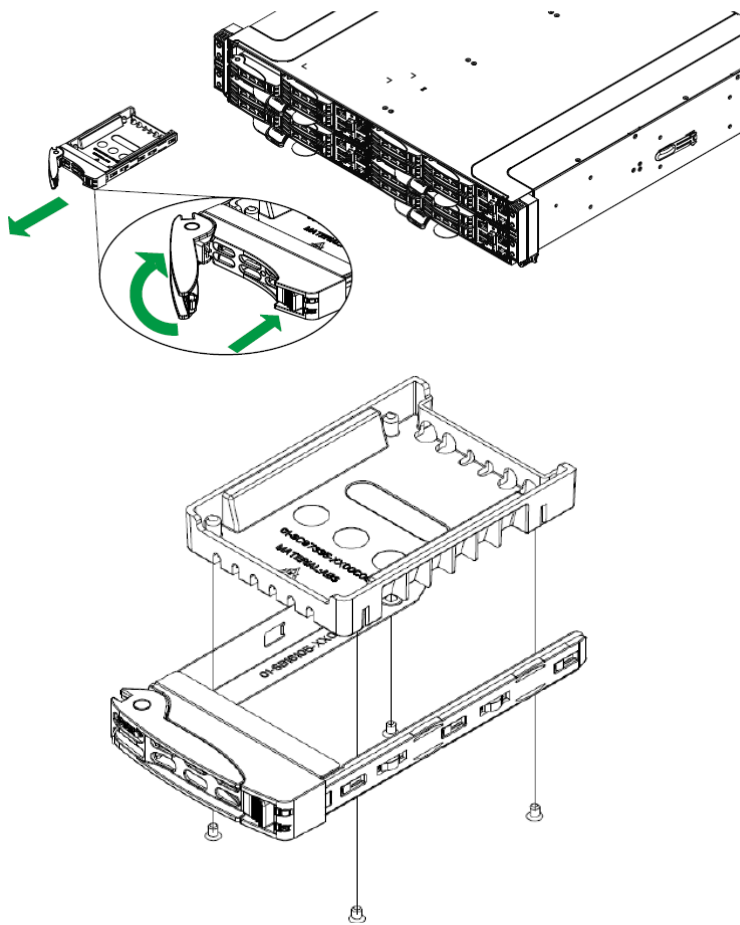
CAUTION: Always power off the system and unplug the power cord(s) first before disassembling the system!

1. Data Storage Devices

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

Tools required: Screwdriver with PH2 bit.

Procedure: Press the release button on the drive carrier. This extends the drive carrier handle. Use the handle to pull the hard drive and its carrier out of the chassis. Remove four screws, as illustrated below. Remove the hard drive from the carrier.

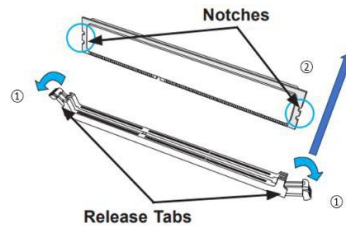


2. Memory

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.

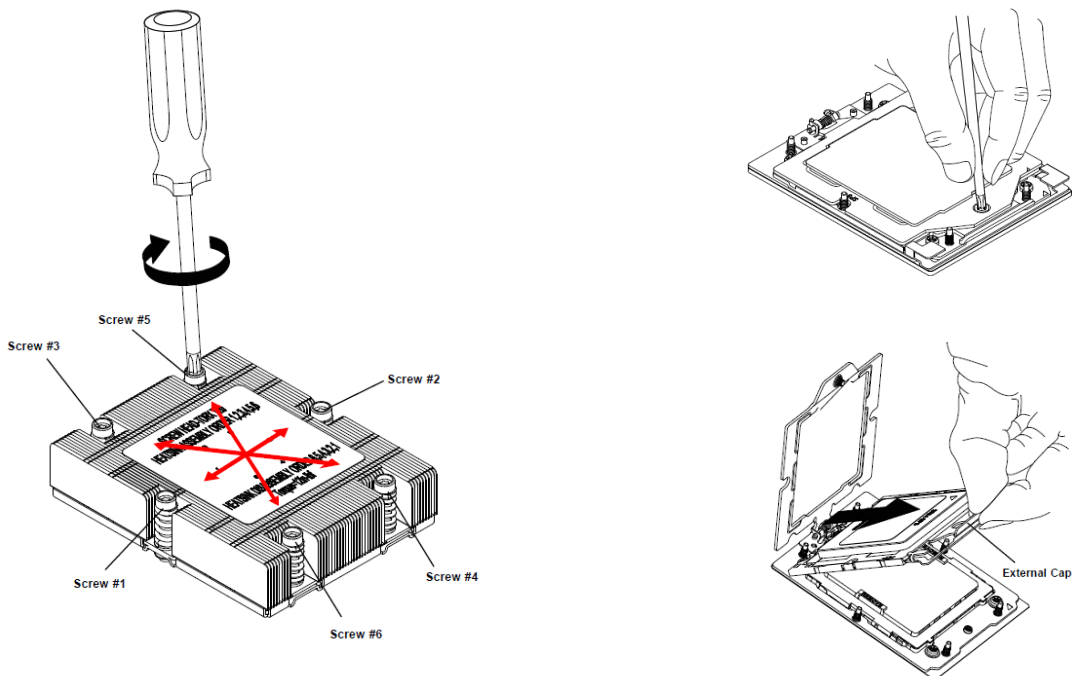


3. Processor

Type and number of fastenings: Seven (7) T20 Torx screws: six (6) on heatsink, one (1) on CPU socket frame.

Tools required: Screwdriver with T20 Torx bit.

Procedure: Remove the screws in the sequence of 6, 5, 4, 3, 2, 1, as shown in the picture below. After removing the screws, lift the heatsink module off the socket. Then, loosen the socket screw. After loosening, remove the processor from the socket.

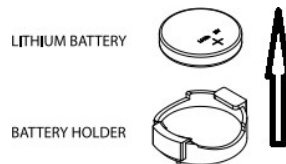


4. Batteries

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

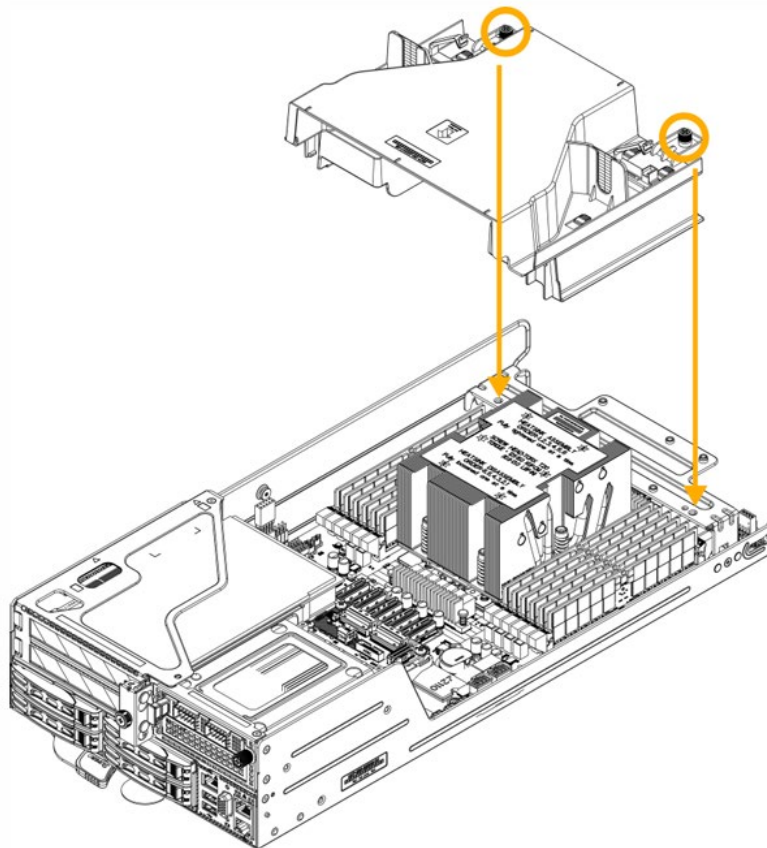
Tools required: None.

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



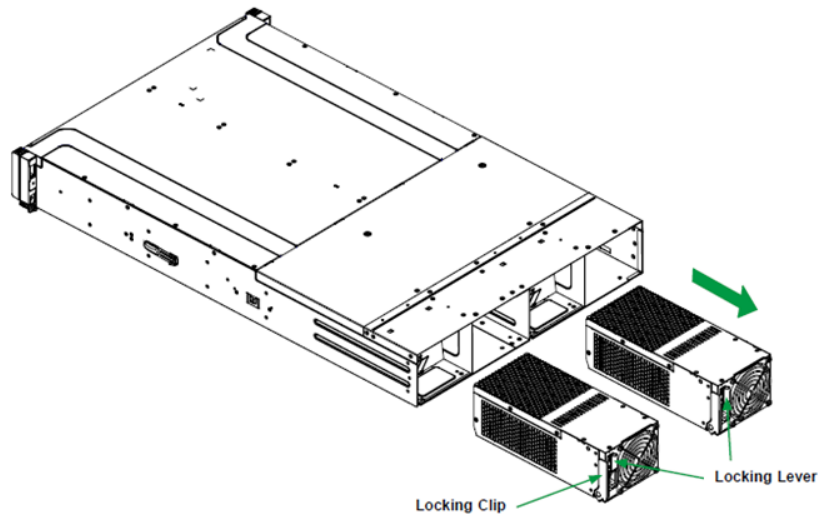
5. Air Shroud Installation

1. First, ensure the CPU, CPU heatsinks, and configured DIMMs are installed.
2. Ensure the thumbscrews on the air shroud and the screw holes on the rear bracket are aligned. Lower the air shroud into the node until it is firmly seated.
3. Secure the air shroud with the thumbscrews provided. Be careful that the air shroud legs at either end do not interfere with any motherboard components such as cables.



6. Power Supply

(For model with redundant power supplies) 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.

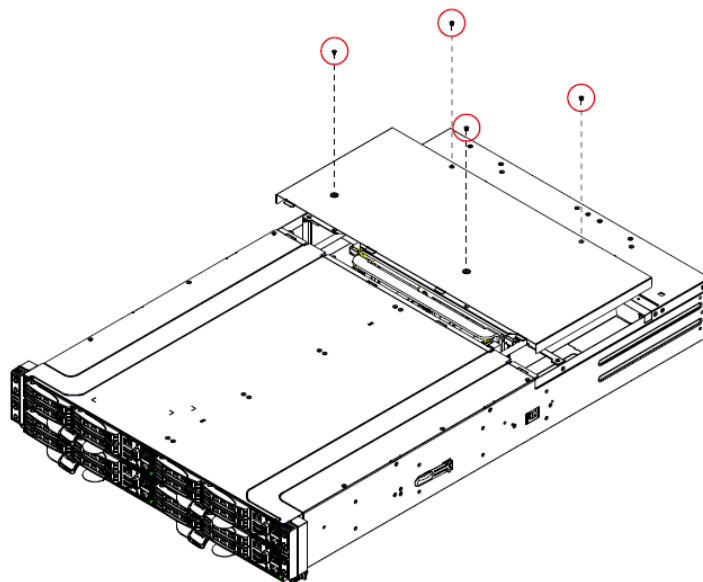


7. Chassis Cover

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

Tools required: Screwdriver with PH2 bit.

Procedure: Remove the four screws securing the cover to the chassis. Lift the top cover off the chassis.

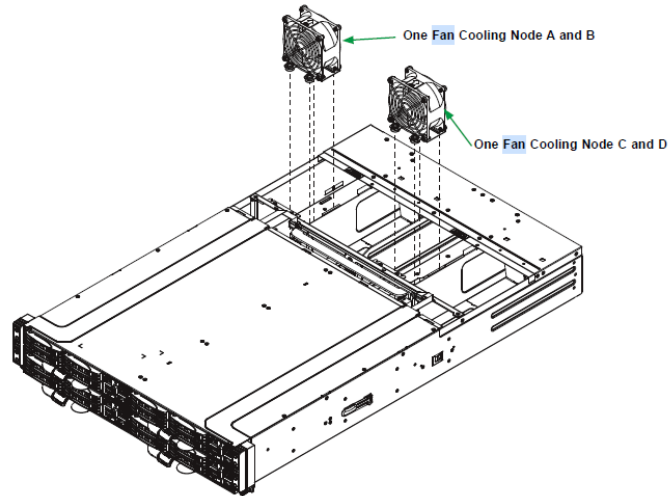


8. Fan

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

Tools required: None.

Procedure: Remove the fan cable from the midplane. Lift the fan housing up and out of the chassis.

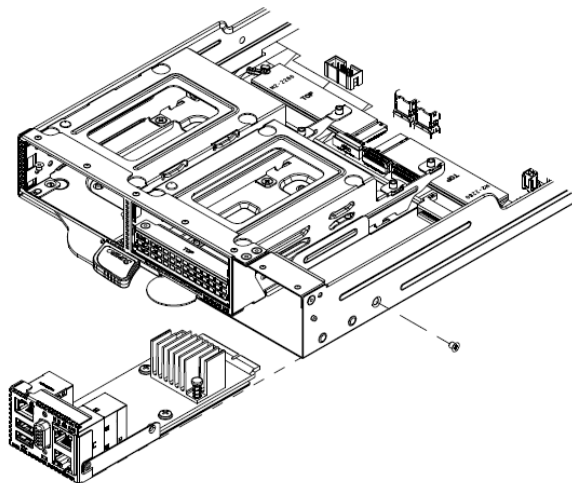


9. IO Card

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

Tools required: Screwdriver with PH2 bit.

Procedure: Loosen and remove the screw on the right side of the motherboard tray, gently pull the I/O card out of the motherboard tray.



10. Power Distribution Board

Type and number of fastenings: Twelve (12) Phillips screws.

Tools required: Screwdriver with PH2 bit.

Procedure: Remove the 5 Phillips screws from the chassis. Lift the power distribution board and the bracket from its base. Remove 7 Phillips screws from the PDB bracket.

