Information for Lot 9 of ErP (Ecodesign)

For 7048GR-TR

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-2K04A-1R Watts: 2000W	**PSU Efficiency**				**Power Factor**
% of Rated Load	**10 %**	**20 %**	**50 %**	**100 %**	**50 %**
Single Output (AC-DC)	94.06 %	95.75 %	96.30 %	93.84 %	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	297.84	1309.08
Typical Configuration	N/A	N/A
Low-End Performance Configuration	71.618	1233.76

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	167.488	9.5
Typical Configuration	N/A	
Low-End Performance Configuration	81.417	

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

	Dry bulb temp ˚C		Humidity range, non-condensing			
Operating condition class	Allowable range	Recommended 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 297.84 W.

3(1)(m): The active state efficiency and performance is 81.41.

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 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: N/A.

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!

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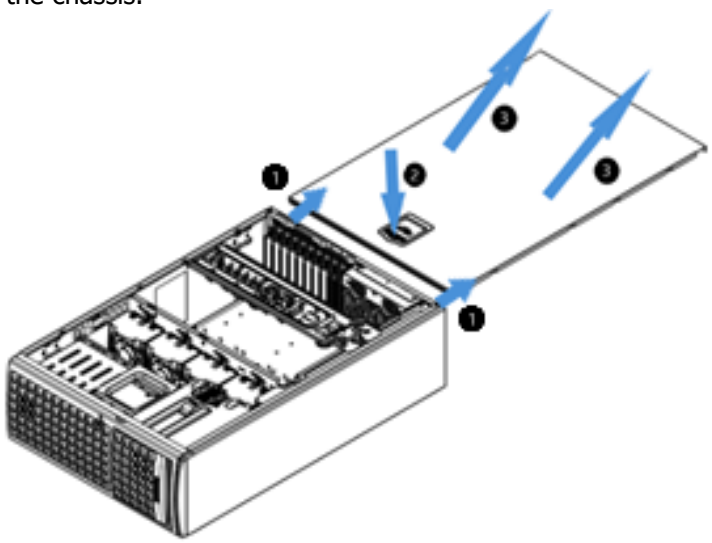
1. Chassis Cover

Type and number of fastenings: One (1) latch and two (2) Phillips screws.

Tools required: Screwdriver with PH2 bit.

Procedure: Remove the two screws at the rear securing the cover to the chassis. Push down on the button to unlock and pop the lid off the chassis. Slide the cover towards the rear of the chassis and lift the cover from the chassis.



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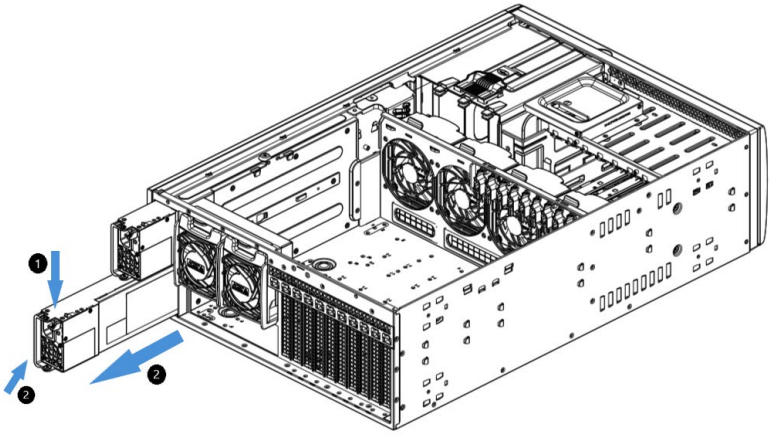
2. Power Supply

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

Tools required: None.

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

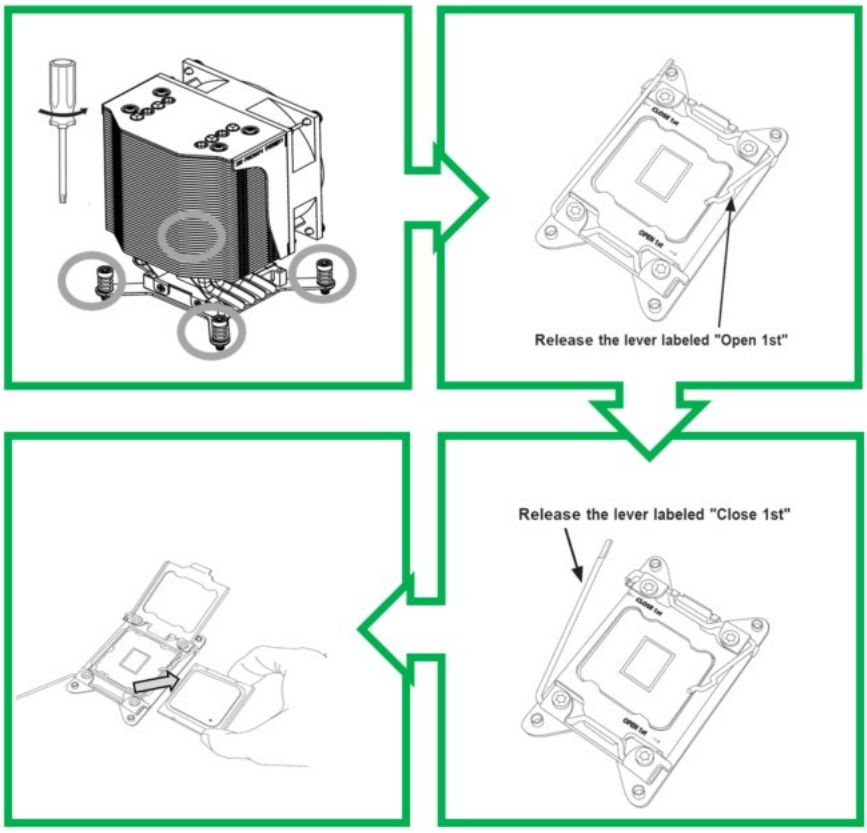


3. Processor

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

Tools required: Screwdriver with PH2 bit.

Procedure: Remove the screws in the sequence of 4, then 3, then 2, then 1. Unscrew and remove the heatsink screws, starting by loosening each a little at a time. Hold the heatsink and gently wiggle it to loosen it from the processor. (Do not use excessive force!) Once the heatsink is loosened, remove it from the processor. There are two levers on the LGA 2011 socket. Press the "Open 1st," then "Closer 1st" load lever to release the load plate from its locked position. Remove the CPU from the socket.

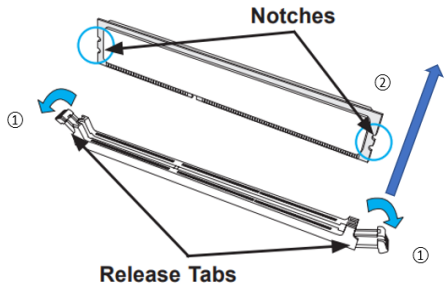


4. Memory

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.

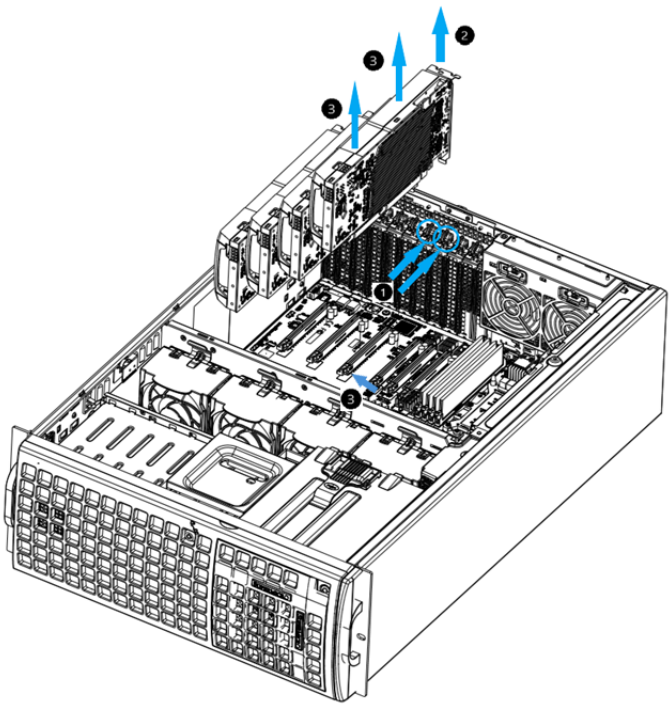


5. Expansion Card/Graphics Card

Type and number of fastenings: One (1) or two (2) Phillips screws per add-on card or graphics card.

Tools required: Screwdriver with PH2 bit.

Procedure: Move the slot bracket to the upright and unlocked position. Remove the Phillips screw(s) securing the card bracket to the chassis. Grab the card, push on the PCIe slot latch to unlock it, and carefully lift it up to remove it from the slot.

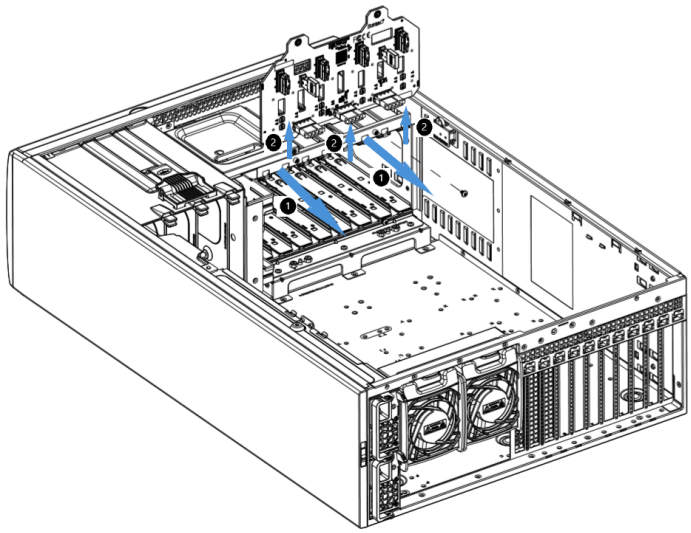


6. Backplane

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

Tools required: Screwdriver with PH2 bit.

Procedure: Remove the two Philips screws securing the backplane to the chassis. Grab the backplane and lift it up as shown to remove.

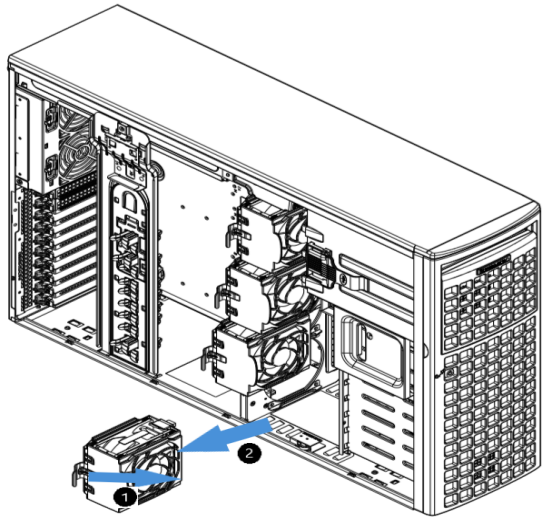


7. Fans

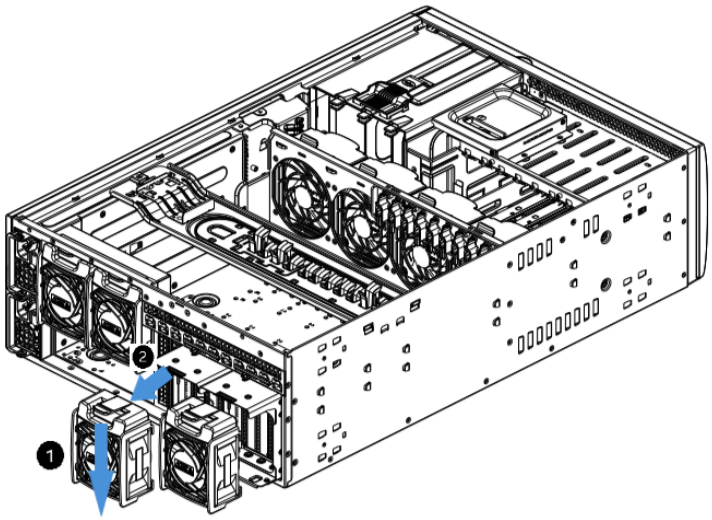
Type and number of fastenings: One (1) fan header per fan.

Tools required: None.

Procedure: Disconnect the fan wiring from the fan header on the motherboard. Grab the release tab and apply slight pressure in the indicated direction. Lift the fan in the indicated direction to remove it from the fan tray.



(mid fan)



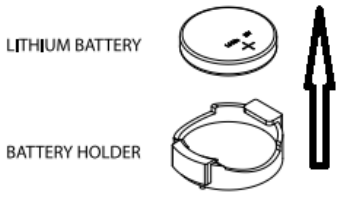
(rear fan)

8. 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.



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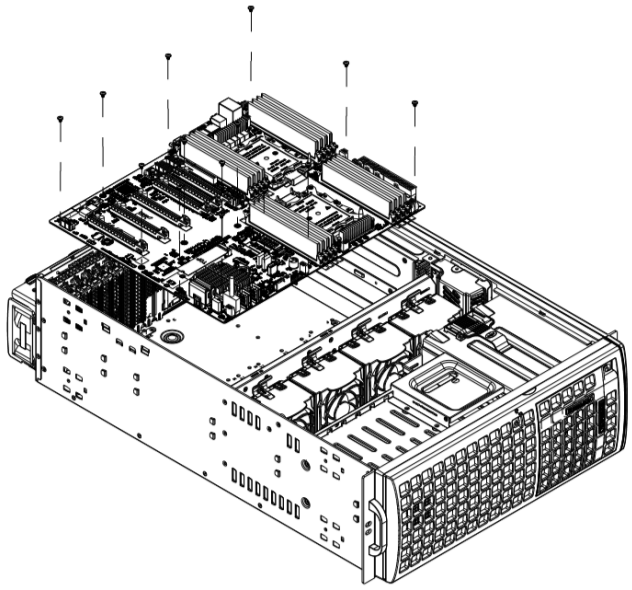
9. Motherboard

Type and number of fastenings: 14 Phillips screws.

Tools required: Screwdriver with PH2 bit.

Procedure: Remove all Phillips screws securing the motherboard to the chassis. Lift the motherboard from its base.



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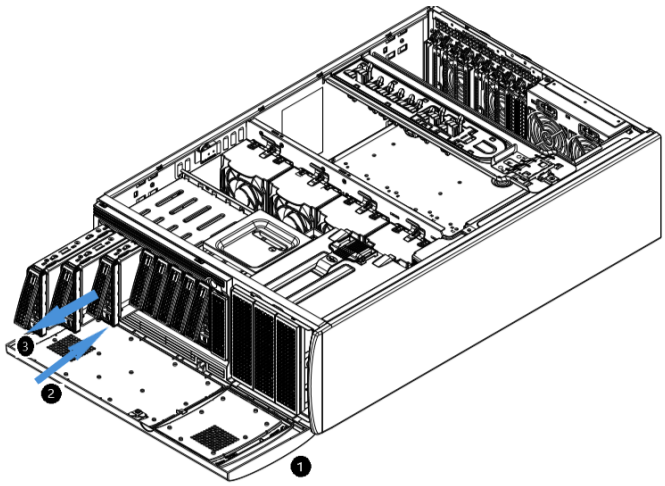
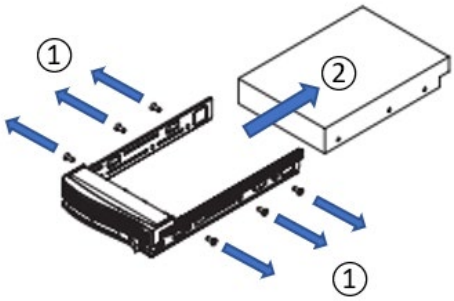
10. Data Storage Devices

Type and number of fastenings: One (1) latch and six (6) Phillips screws.

Tools required: Screwdriver with PH2 bit.

Procedure: Unlock and open the front bezel to access the hot-swap hard drives. Push the release button on the carrier. Swing the handle fully. Grasp the handle and pull the driver carrier out of its bay.



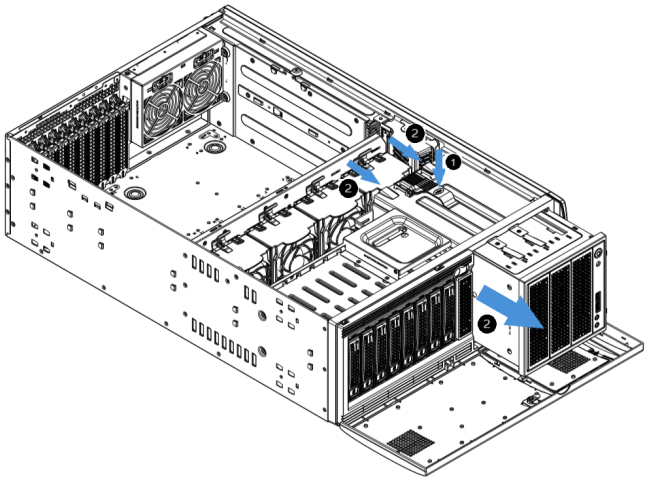


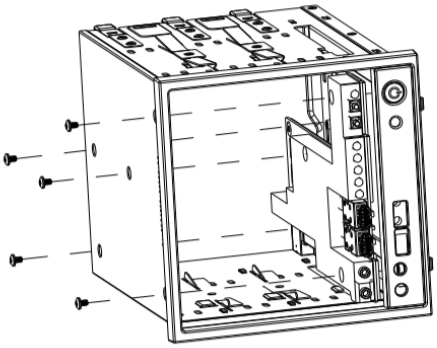
11. Front Controller Board

Type and number of fastenings: One (1) latch and five (5) Phillips screws.

Tools required: Screwdriver with PH2 bit.

Procedure: Push down on the label *Push* to unlock the latch of the controller board module. Push down on the release tab and push it horizontally to remove the controller board module. Remove the DVD trays, then remove all screws securing the front controller board to the module to remove it.





12. Power Distribution Board

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

Tools required: Screwdriver with PH2 bit.

Procedure: Remove the screw at the top of the power distribution board cover and remove the cover. Unscrew the other three screws securing the power distribution board to the chassis to remove the board.