

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 with requirements laid down in Annex II of the Commission Regulation 2019/424.

- 3(1)(a): See section 1.1 of the manual for the product type.
- 3(1)(b): See title page and preface of the manual for trademark and manufacturer's address.
- 3(1)(c): See title page for product model number(s).
- 3(1)(d): See serial number on the physical system to determine the year of manufacture.
- 3(1)(e): **PSU efficiency and power factor value (Table) (from 80 Plus report)**

PSU Model #: PWS-2K20A-1R Watts: 2200W	PSU efficiency				power factor
	% of rated load	10 %	20 %	50 %	100 %
Single output (AC-DC)	93.49%	95.26%	96.26%	94.38%	0.99
Multiple output (AC-DC)	N/A	N/A	N/A	N/A	N/A

System (EUT) efficiency in **idle state** power (Table)

Representative Configurations	Measured Idle State Power (W)	Calculated Idle Power Allowance (W)
High-end performance configuration	225.60	380.37
Typical Configuration	N/A	N/A
Low-end performance configuration	124.30	147.73

System (EUT) efficiency in **active state** power (Table)

Representative Configurations	Active state efficiency score (Eff _{server})	Minimum active state efficiency for 2 socket server
High-end performance configuration	26.9	9.5
Typical Configuration	N/A	
Low-end performance configuration	17.9	

3(1)(i): The following components, if included with the product in this manual, contain additional idle power allowances: HDDs or SSDs, additional memory, and/or AOCs.

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: 225.60W-PM

3(1)(m): The active state efficiency and performance: 26.9 -PM

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): Data storage devices-----Disassembly Instructions, see template below

Type of operation:

Type and number of fastenings to be unlocked:

Tools required:

Memory

Type of operation:

Type and number of fastenings to be unlocked:

Tools required:

Processor (CPU)

Type of operation:

Type and number of fastenings to be unlocked:

Tools required:

Motherboard

Type of operation:

Type and number of fastenings to be unlocked:

Tools required:

Expansion card/graphic card

Type of operation:

Type and number of fastenings to be unlocked:

Tools required:

PSU

Type of operation:

Type and number of fastenings to be unlocked:

Tools required:

Chassis

Type of operation:

Type and number of fastenings to be unlocked:

Tools required:

Batteries

Type of operation:

Type and number of fastenings to be unlocked:

Tools required:

Illustrated SYS-7049GP-TRT Disassembly Instructions

Please note: All the graphs in this disassembly instruction are for demonstration purposes only. Components shown may not match exactly with the actual components in your system.

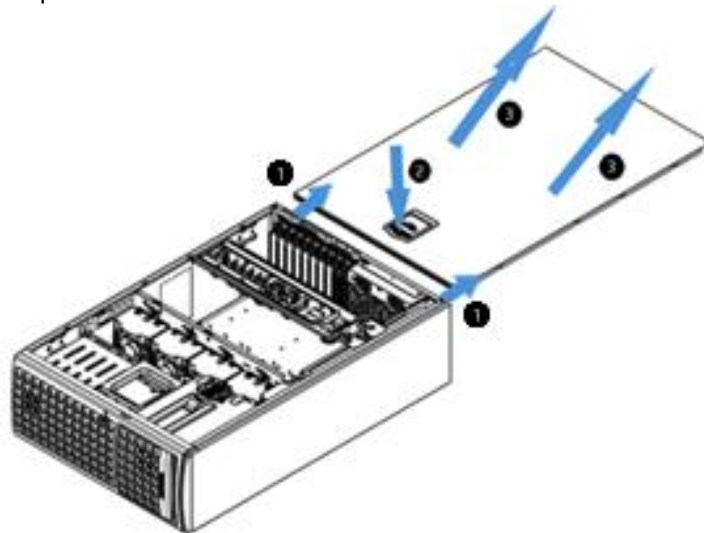
Caution: Always power off system and unplug power cord(s) first before disassembling the system!

4U 747BTS chassis (SYS-7049GP-TRT)

Removing the Left Cover

Chassis

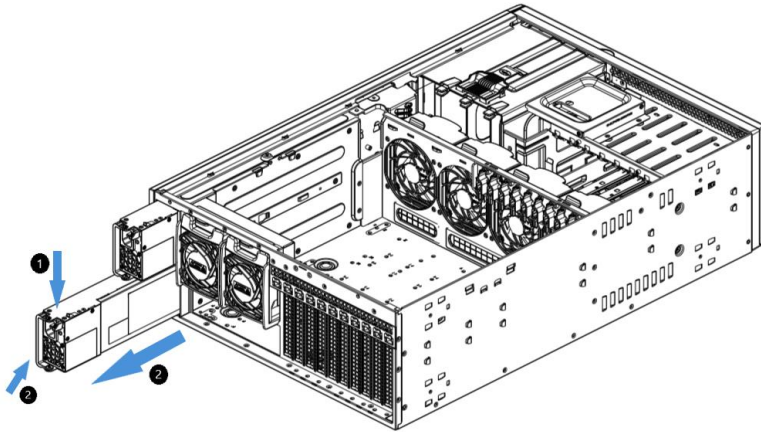
- Type of operation: Remove the two screws at the rear securing the cover to the chassis. Push down on the button to unlock and pop the lid off the chassis. Slide cover towards the rear of the chassis and lift the cover from the chassis.
- Type and number of fastenings to be unlocked: 1 latch
- Tools required: None.



Removing the Power Supplies

PSU

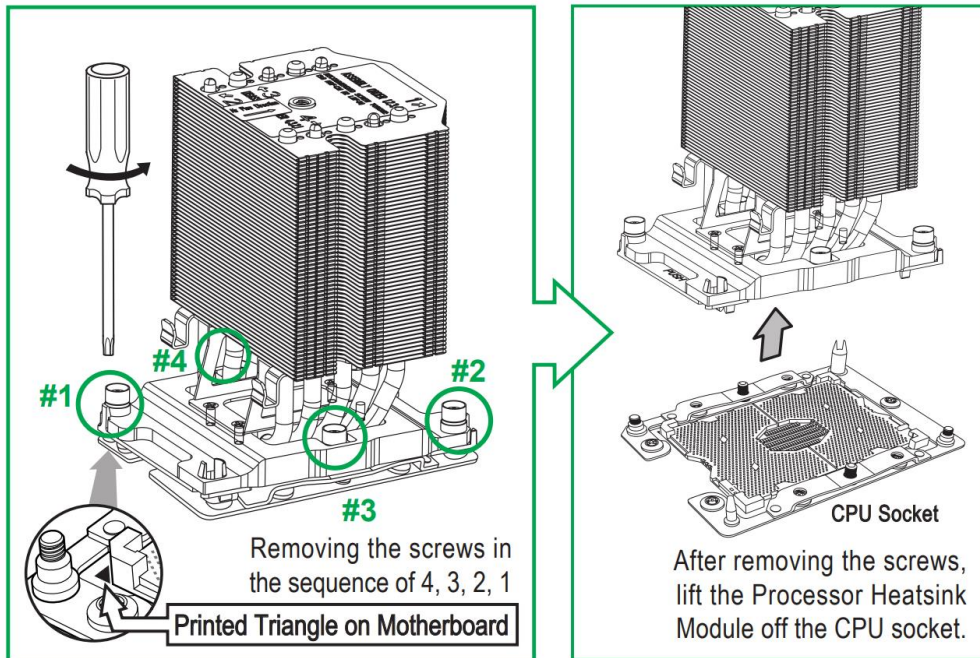
- Type of operation: Unplug the power cord from the power supply. Push down on the release tab on the back of the power supply and pull the module straight out.
- Type and number of fastenings to be unlocked: 1 latch per PSU.
- Tools required: None.



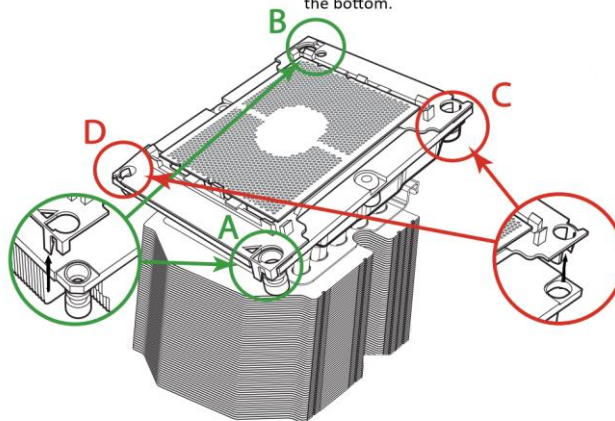
Removing the CPUs and Heatsinks

Processor (CPU)

- Type of operation: Remove the screws in the sequence of 4,3,2,1. After removing the screws, lift the Processor Heatsink Module off the CPU socket. Unsnap Corners A and B, then C and D of the latch. Push the latch out from the bottom.
- Type and number of fastenings to be unlocked: 4 T30 Torx screws.
- Tools required: Screwdriver with T30 Torx bit.



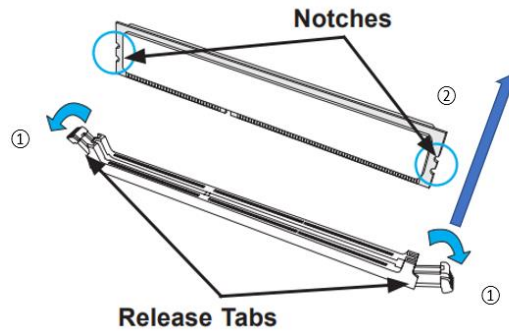
Un-snap Corner A, B then C, D of the latch. Push the latch out from the bottom.



Removing the DIMMs

Memory

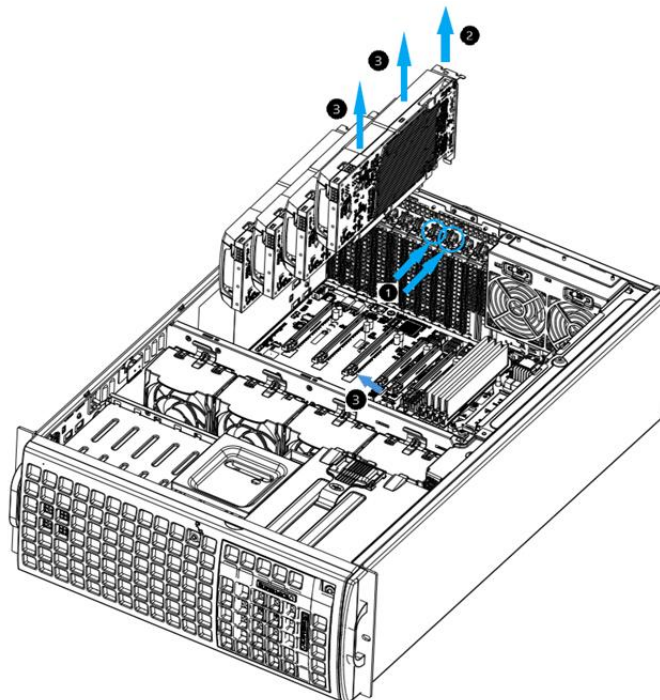
- Type of operation: Press both release tabs on the ends of the DIMM module to unlock. Once the DIMM module is loosened, remove it from the memory slot.
- Type and number of fastenings to be unlocked: 2 latches per DIMM.
- Tools required: None.



Removing the AOCs/GPUs

Expansion card/graphic card

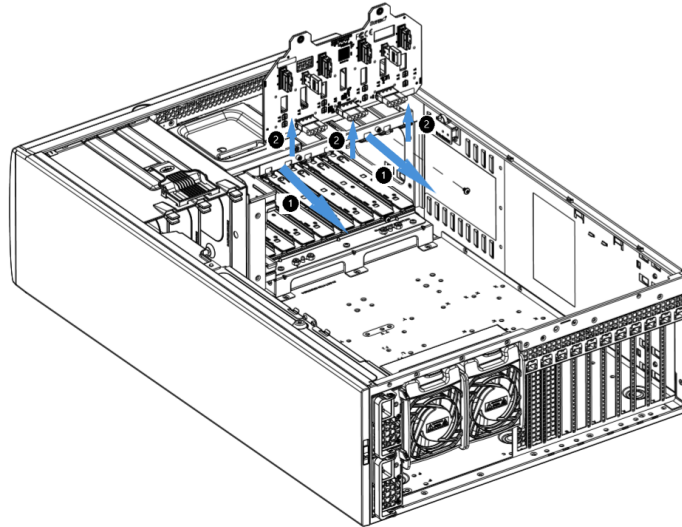
- Type of operation: Move slot bracket to the upright and unlocked position. Remove the Phillips screw(s) securing the AOC/GPU bracket to the chassis. Grab the AOC/GPU, push on the PCIe slot latch to unlock, and carefully lift vertically to remove from the slot.
- Type and number of fastenings to be unlocked: 1 or 2 Phillips screw per AOC/GPU.
- Tools required: Screwdriver with PH2 bit.



Removing the Backplane

Backplane

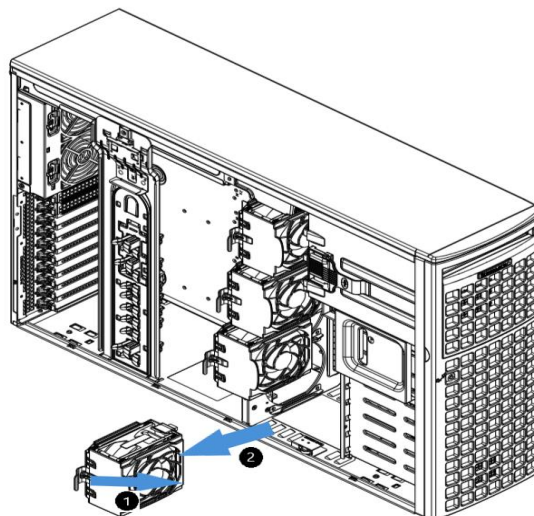
- Type of operation: Remove the two Phillips screws securing the backplane to the chassis. Grab the backplane and lift vertically up as shown to remove.
- Type and number of fastenings to be unlocked: 2 Phillips screws
- Tools required: Screwdriver with PH2 bit.



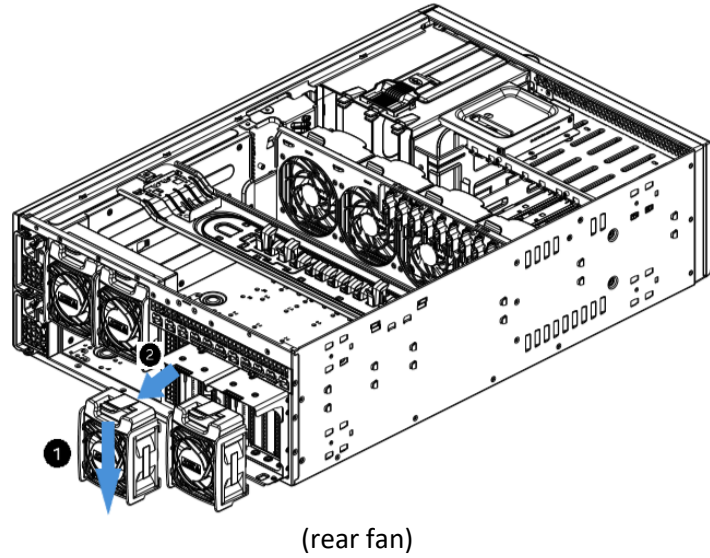
Removing the Fans

Fans

- Type of operation: Disconnect the fan wiring from the fan header on the motherboard. Grab the release tab and apply slight pressure in the indicated direction. Take hold of fan and lift in the indicated direction to remove from the fan tray.
- Type and number of fastenings to be unlocked: 1 fan header per fan.
- Tools required: None.



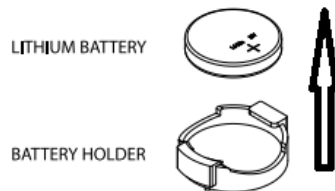
(mid fan)



Removing the Battery

Batteries

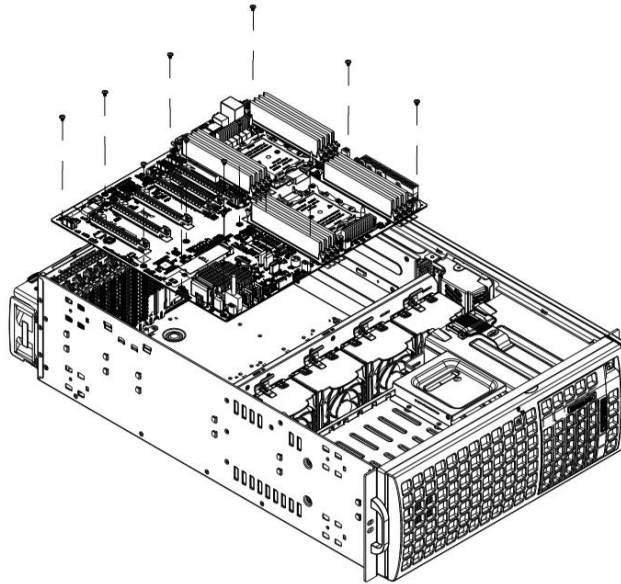
- Type of operation: Push aside the small clamp that covers the edge of the battery. When the battery is released, lift it out of the holder.
- Type and number of fastenings to be unlocked: 1 latch.
- Tools required: None.



Removing the Motherboard

Motherboard

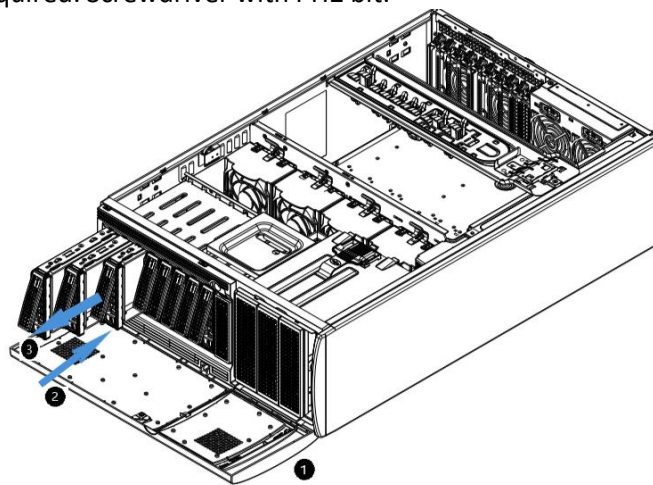
- Type of operation: Remove all Phillips screws securing the motherboard to the chassis. Lift the motherboard from its base.
- Type and number of fastenings to be unlocked: 14 Phillips screws
- Tools required: Screwdriver with PH2 bit.

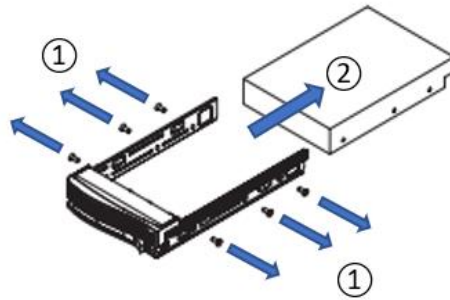


Removing the Hard Drives

Data storage devices

- Type of operation: 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.
- Type and number of fastenings to be unlocked: 1 latch and 6 Phillips screws.
- Tools required: Screwdriver with PH2 bit.

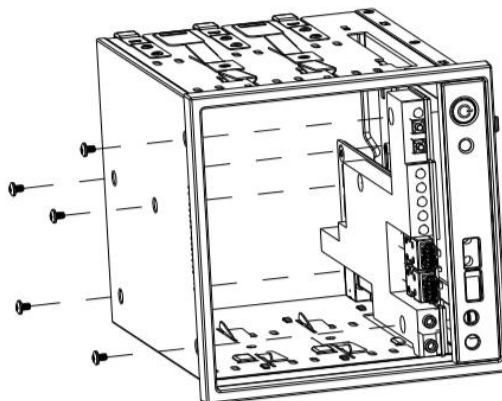
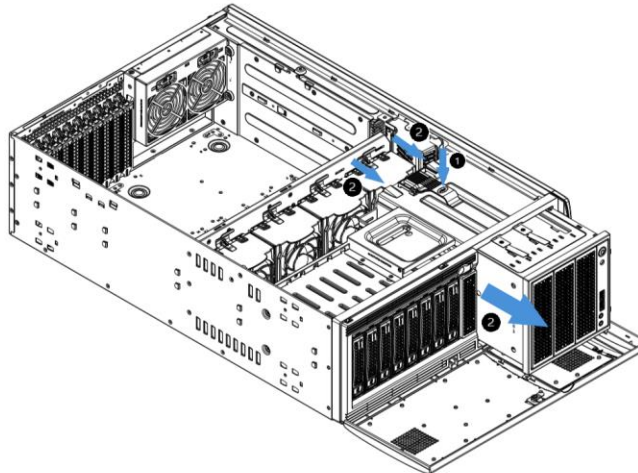




Removing the Front Controller Board

Front controller board

- Type of operation: Push down on the label “push” to unlock the latch of the controller board module. Push down on the release tab and push 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.
- Type and number of fastenings to be unlocked: 1 latch and 5 Phillips screws
- Tools required: Screwdriver with PH2 bit.



Removing the Power Distribution Board

Power distribution board

- Type of operation: Remove the screw at the top of the PDB cover and remove the cover. Unscrew the 3 screws securing the PDB to the chassis to remove the PDB.
- Type and number of fastenings to be unlocked: 4 Phillips screws
- Tools required: Screwdriver with PH2 bit.

