

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-1K43F-1R Watts: 1400W	PSU efficiency				power factor
% of rated load	10 %	20 %	50 %	100 %	50 %
Single output (AC-DC)	87.95%	92.56%	94.77%	93.33%	0.98
Multiple output (AC-DC)	N/A	N/A	N/A	N/A	N/A

SYS-5019GP-TT

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

Representative Configurations	Measured Idle State Power (W)	Calculated Idle Power Allowance (W)
High-end performance configuration	107.3	339.267
Typical Configuration	N/A	N/A
Low-end performance configuration	79.8	210.7

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	35.6	9
Typical Configuration	NA	
Low-end performance configuration	21.1	

SYS-1019GP-TT

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

Representative Configurations	Measured Idle State Power (W)	Calculated Idle Power Allowance (W)
High-end performance configuration	107.3	354.27
Typical Configuration	N/A	N/A
Low-end performance configuration	79.8	206.38

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	35.6	9
Typical Configuration	NA	
Low-end performance	21.1	

configuration	
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SYS-5018GR-T

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

Representative Configurations	Measured Idle State Power (W)	Calculated Idle Power Allowance (W)
High-end performance configuration	101.3	339.74
Typical Configuration	N/A	N/A
Low-end performance configuration	73.2	204.66

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	25.2	9
Typical Configuration	NA	
Low-end performance configuration	18.4	

SYS-1018GR-T

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

Representative Configurations	Measured Idle State Power (W)	Calculated Idle Power Allowance (W)
High-end performance configuration	115.3	268.73
Typical Configuration	N/A	N/A
Low-end performance configuration	83.2	188.08

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	17.5	9
Typical Configuration	NA	
Low-end performance configuration	14	

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: 107.3W(SYS-5019GP-TT), 107.3W(SYS-1019GP-TT), 101.3(SYS-5018GR-T), 115.3(SYS-1018GR-T).

3(1)(m): The active state efficiency and performance: 35.6(SYS-5019GP-TT), 35.6(SYS-1019GP-TT), 25.2(SYS-5018GR-T), 17.5(SYS-1018GR-T).

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.
- 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!

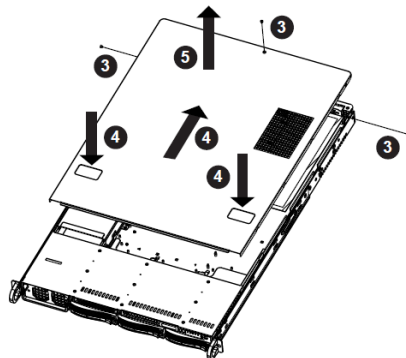
1. Chassis Cover

Type and number of fastenings: Three screws.

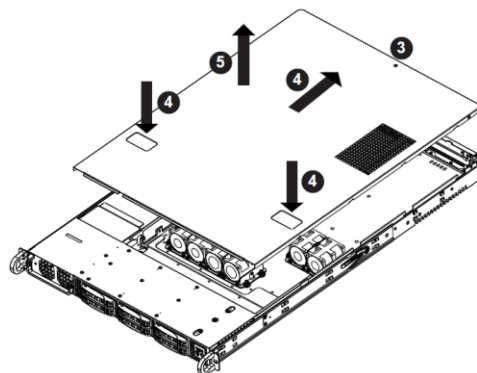
Tools required: None.

Procedure: Grasp the two handles on either side and pull the unit straight out until it locks (you will hear a "click"). Remove the three screws securing the top cover to the chassis. Depress the two buttons on the top of the chassis to release the top cover and at the same time, push the cover toward the rear of the chassis. Lift the top cover from the chassis to gain full access to the inside of the server.

SYS-5019GP-TT



SYS-1019GP-TT

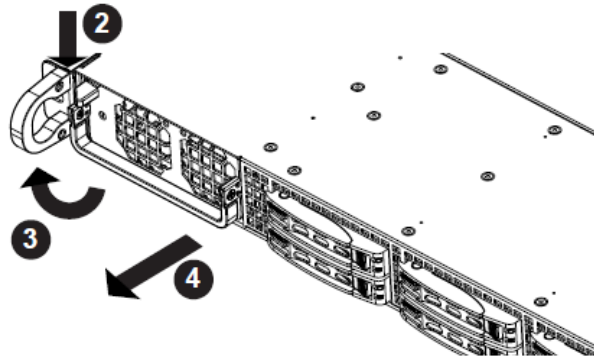
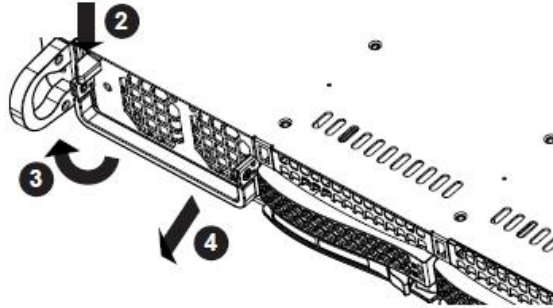


2. Power Supply Module

Type and number of fastenings: One release tab per module.

Tools required: None.

Procedure: If the system is still running, power down the system. Push the release tab on the front of the power supply. Lift the handle of the power supply. Pull the power supply out of the power supply bay.

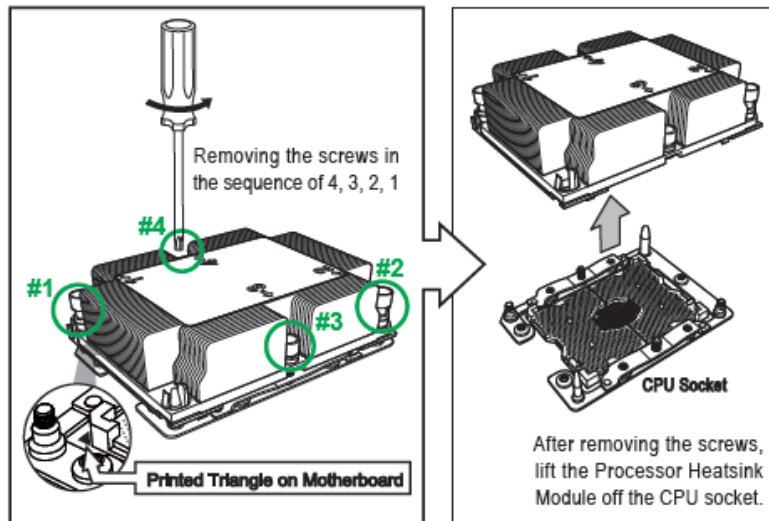


3. Processor (LGA-3647)

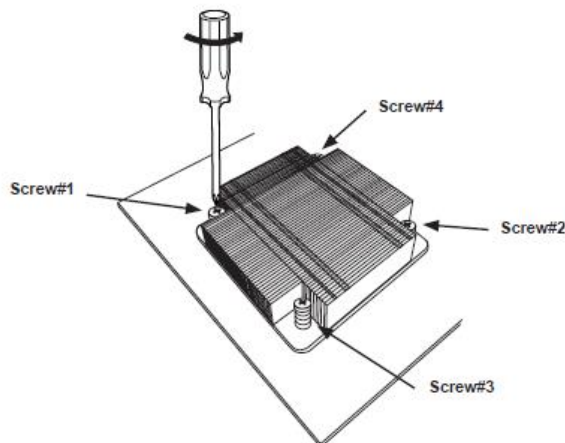
Type and number of fastenings: Four (4) T30 Torx screws.

Tools required: Screwdriver with T30 Torx bit.

Procedure: Before removing the processor heatsink module (PHM), unplug power cord from the power outlet. Using a T30 Torx-bit screwdriver, turn the screws on the PHM counterclockwise to loosen them from the socket, starting with the screw marked #4 (in the sequence of 4, 3, 2, 1). After all four screws are removed, wiggle the PHM gently and pull it up to remove it from the socket.



Unscrew and remove the heatsink screws in the opposite sequence shown in the picture above. Hold the heatsink and gently wriggle it to loosen it from the CPU.

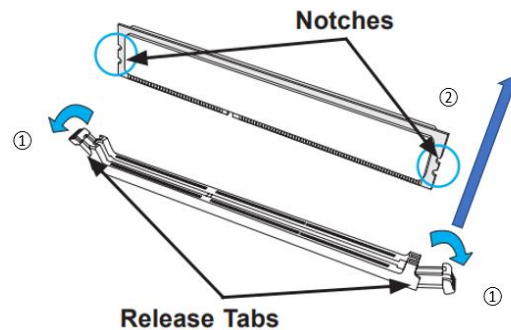


4. Memory

Type and number of fastenings: Two 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. Add-on Cards (AOCs)

SYS-5019GP-TT

Type and number of fastenings: One or more screws.

Tools required: Screwdriver

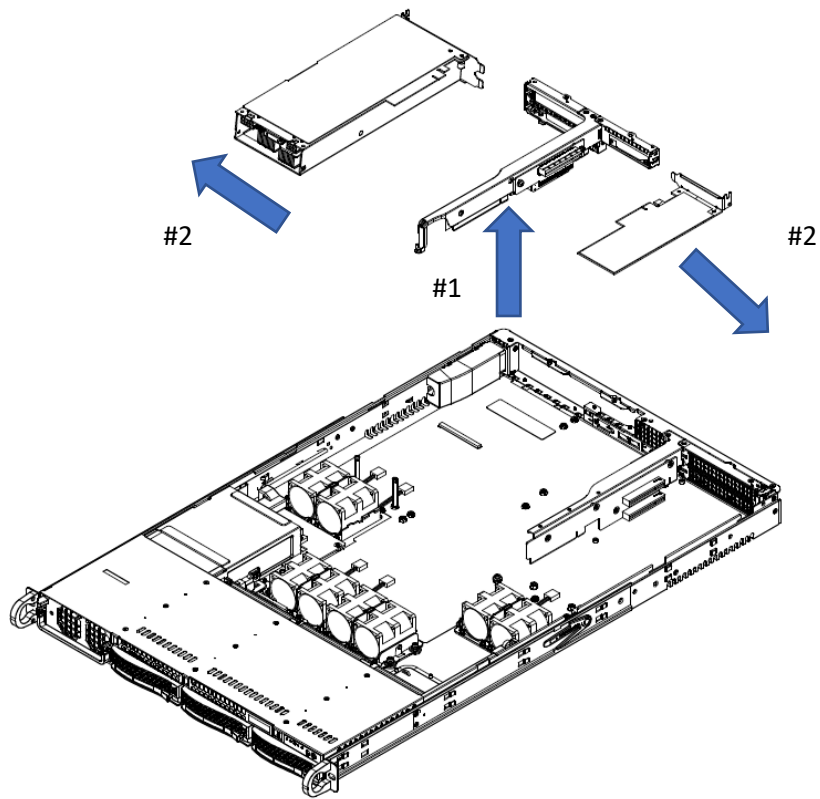
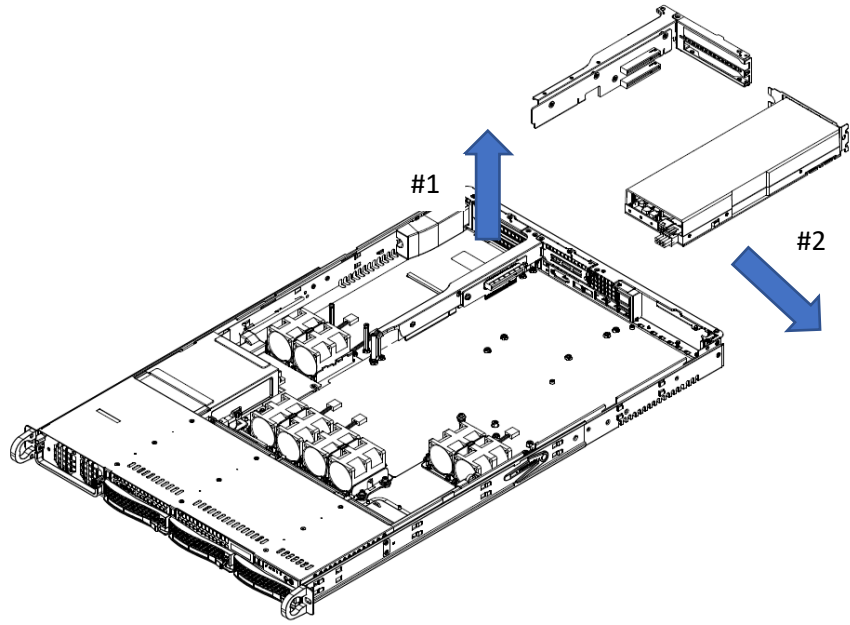
Procedure: Remove the right-side riser card bracket by unscrewing only those screws indicated by the screwdriver icon. Slide the expansion card away the slot on the right-side riser card.

Remove Full Height Expansion Card on the Left Side:

Remove the riser card bracket from the chassis by unscrewing only those screws indicated by the screwdriver icon. Lift the bracket from the chassis. Slide the expansion card away the slot on the left-side riser card.

Remove Expansion Card in the Center:

Remove the left riser card bracket from the chassis by unscrewing only those screws indicated by the screwdriver icon. Lift the bracket from the chassis. Slide the expansion card away the slot on the left-side riser card



SYS-1019GP-TT

Remove Full Height Expansion Card on the Right Side:

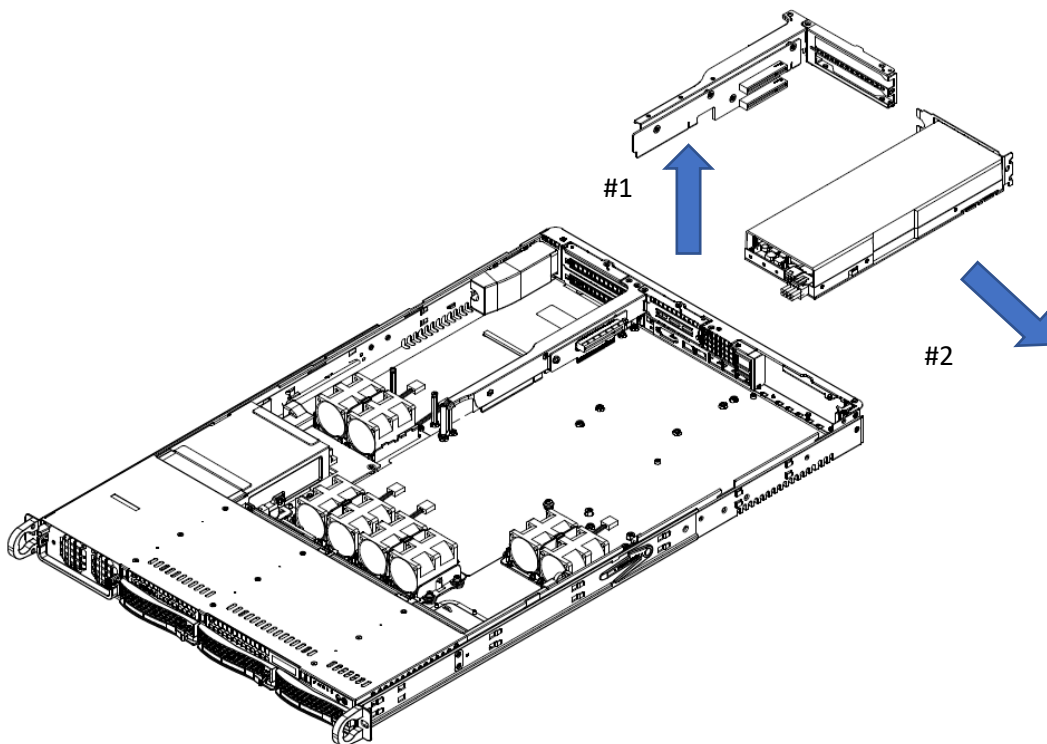
Remove the right-side riser card bracket by unscrewing only those screws indicated by the screwdriver icon. Slide the expansion card away the slot on the right-side riser card.

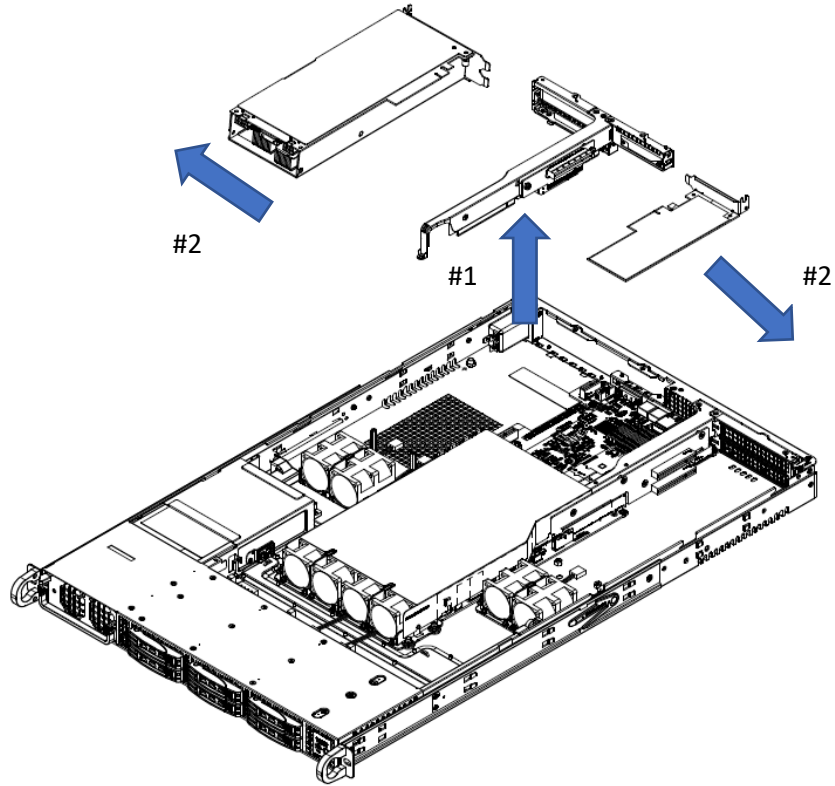
Remove Full Height Expansion Card on the Left Side:

Remove the riser card bracket from the chassis by unscrewing only those screws indicated by the screwdriver icon. Lift the bracket from the chassis. Slide the expansion card away the slot on the left-side riser card.

Remove Expansion Card in the Center:

Remove the left riser card bracket from the chassis by unscrewing only those screws indicated by the screwdriver icon. Lift the bracket from the chassis. Slide the expansion card away the slot on the left-side riser card.





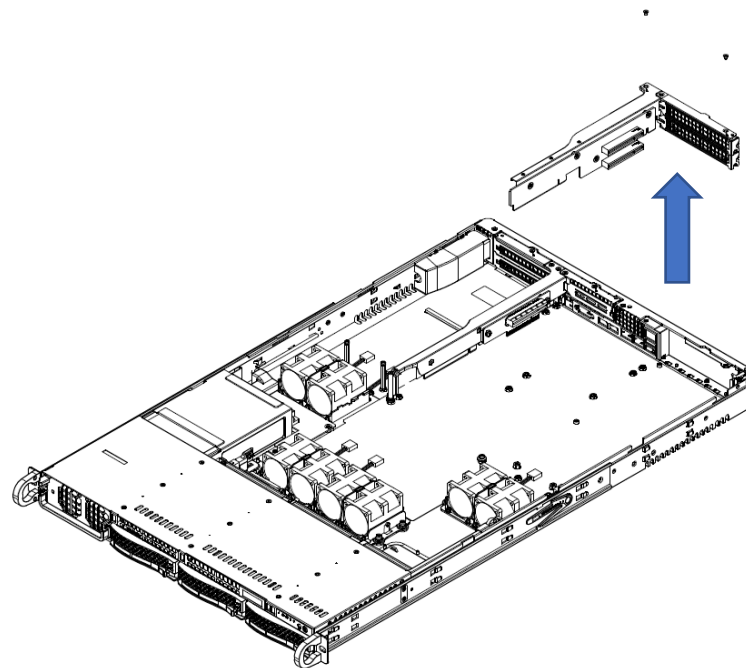
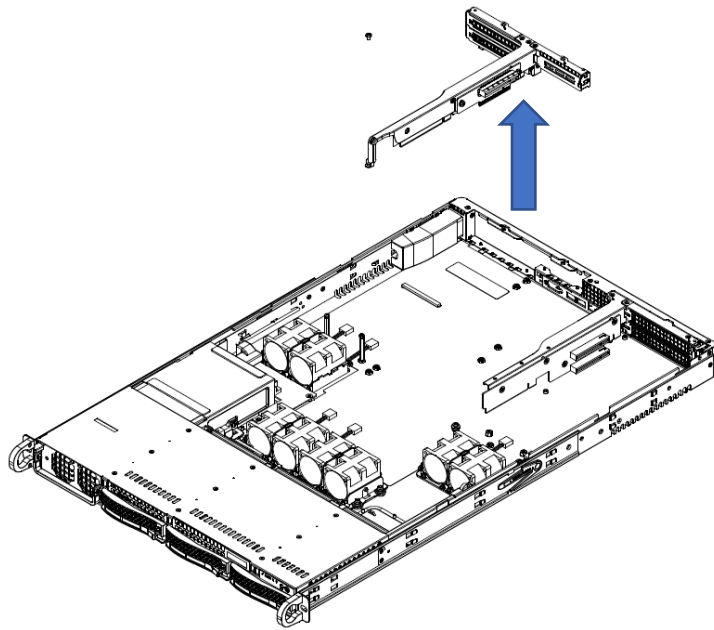
6. Riser Card

SYS-5019GP-TT

Type and number of fastenings: One or more screws.

Tools required: Screwdriver

Procedure: Remove the riser card bracket from the chassis by unscrewing only those screws indicated by the screwdriver icon and lift the Riser card and bracket.

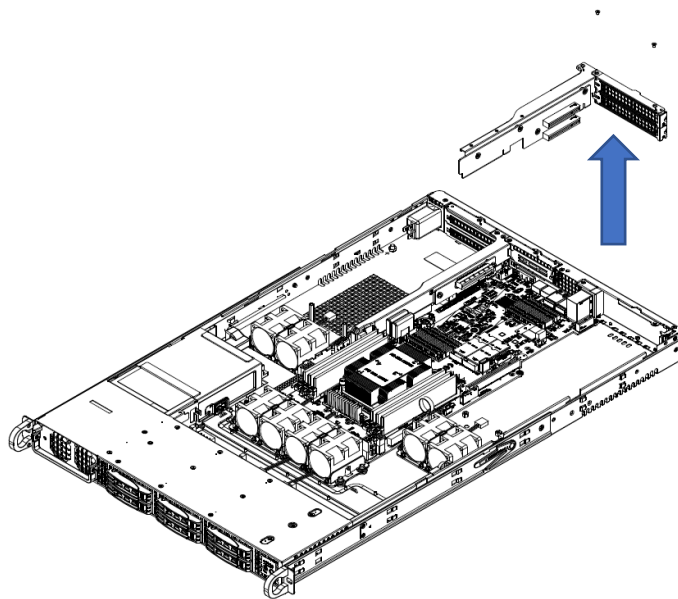
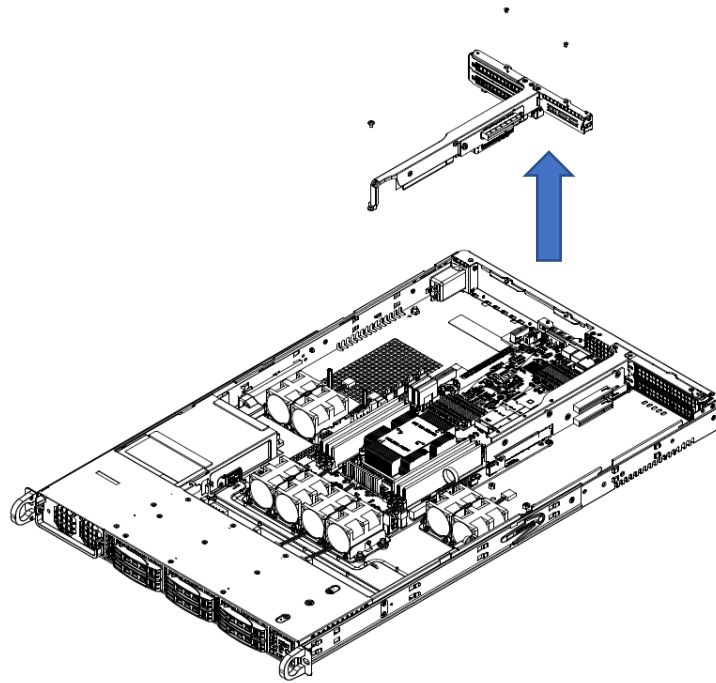


SYS-1019GP-TT

Type and number of fastenings: One or more screws.

Tools required: Screwdriver

Procedure: Remove the riser card bracket from the chassis by unscrewing only those screws indicated by the screwdriver icon and lift the Riser card and bracket



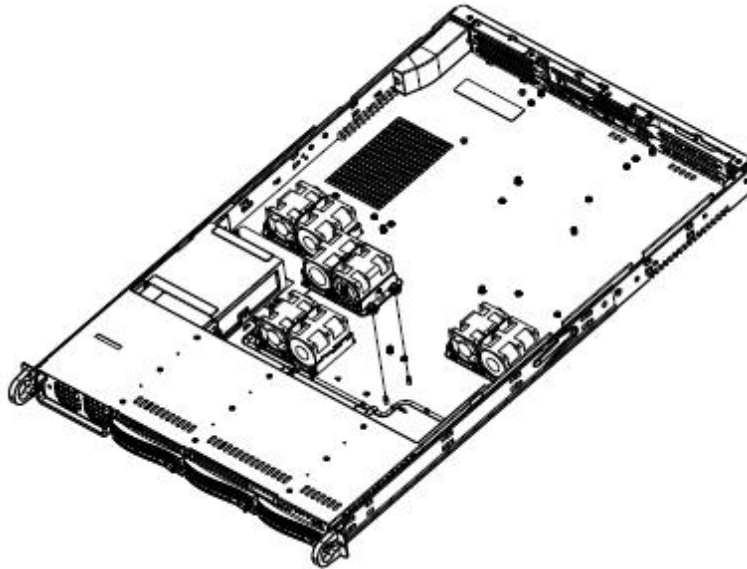
7. Fans

SYS-5019GP-TT

Type and number of fastenings: One set of power cables per fan.

Tools required: None

Procedure: Remove the fan's power cable from the backplane. Remove the four pins securing the fan to the fan housing. Lift the fan from the fan housing and out of the chassis.

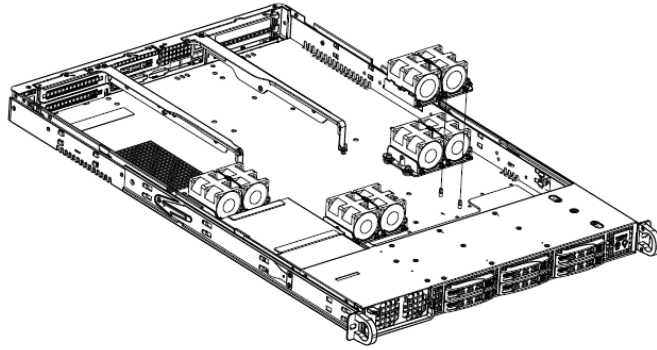


SYS-1019GP-TT

Type and number of fastenings: One set of power cables per fan.

Tools required: None

Procedure: Remove the fan's power cable from the backplane. Remove the four pins securing the fan to the fan housing. Lift the fan from the fan housing and out of the chassis.



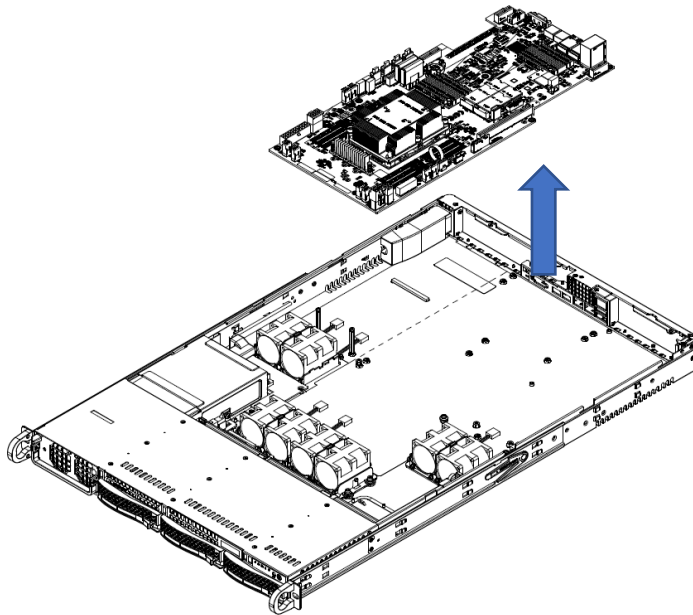
8. Fans

SYS-5019GP-TT

Type and number of fastenings: Several screws (number may vary).

Tools required: Screwdriver

Procedure: Remove screws securing the motherboard to the chassis and lift out the motherboard.

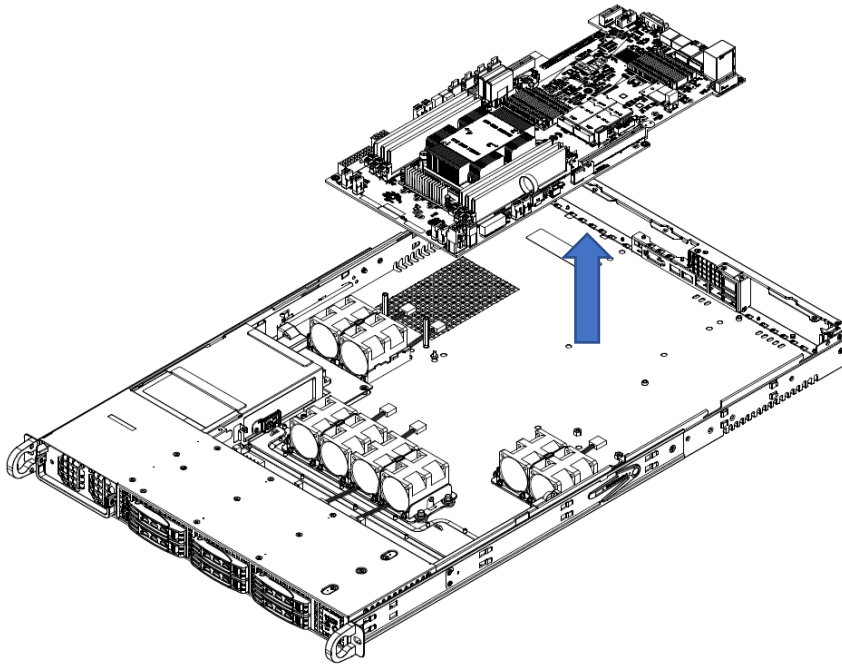


SYS-1019GP-TT

Type and number of fastenings: Several screws (number may vary).

Tools required: Screwdriver

Procedure: Remove screws securing the motherboard to the chassis and lift out the motherboard.



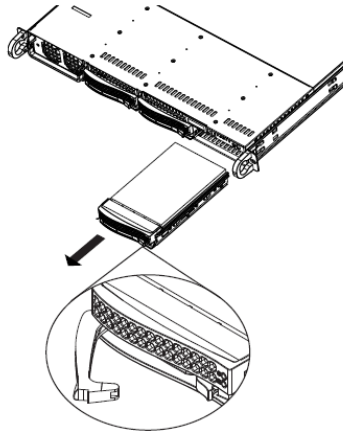
9. Data Storage Devices

Type and number of fastenings: One latch and four Phillips screws.

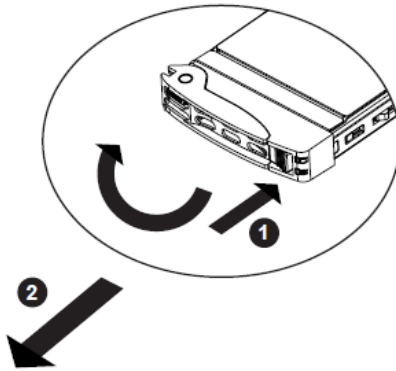
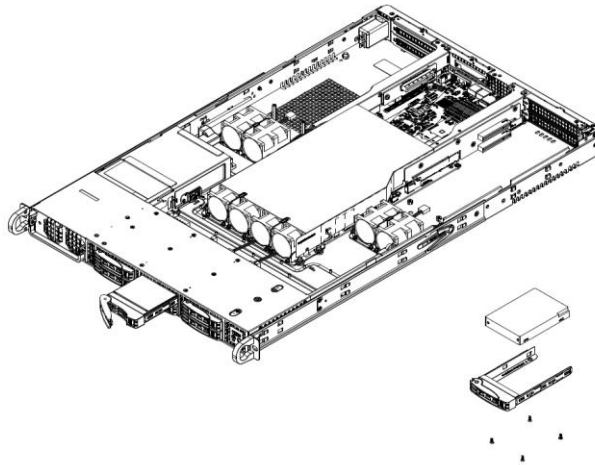
Tools required: Screwdriver with PH2 bit.

Procedure: Push the release button on the carrier. Swing the handle fully. Grasp the handle and pull the drive carrier out of its bay. Remove the screws that secure the hard drive to the carrier and separate the hard drive from the carrier.

SYS-5019GP-TT



SYS-1019GP-TT



10. Battery

Type and number of fastenings: One 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.

