



# RSC-4H1

## Rackmount Chassis User's Manual

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### Document Release History

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September 2022	1	User's Manual release to public.
September 2023	1.1	Update specification content.
November 2023	1.2	Update BP content-section 3.2.2.4
October 2024	1.3	Add 3.5" HDD removal info.



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# Preface

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## Changes

The material in this document is for information purposes only and is subject to change without notice.

## Warning

1. A shielded-type power cord is required in order to meet FCC emission limits and also to prevent interference to the nearby radio and television reception. It is essential that only the supplied power cord be used.
2. Use only shielded cables to connect I/O devices to this equipment.
3. You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

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## Instruction Symbols

Special attention should be given to the instruction symbols below.



### NOTE

This symbol indicates that there is an explanatory or supplementary instruction.



### CAUTION

This symbol denotes possible hardware impairment. Upmost precaution must be taken to prevent serious hardware damage.



### WARNING

This symbol serves as a warning alert for potential body injury. The user may suffer possible injury from disregard or lack of attention.

# Safety Instructions

*Before you commence, please attentively read the following important discretions below. All cautions and warnings on the equipment or in the manuals should be circumspactly noted and reviewed.*

**Always ground yourself to prevent static electricity.**

請全程接地，以防止靜電。

请全程接地，以防止静电。

**Всегда заземляйте себя, чтобы избежать статического электричества.**

**Aard jezelf altijd om statische elektriciteit te voorkomen.**

- Firmly ground yourself at all times when installing or assembling the internal components of the server. Most of electronic components in the server are highly sensitive to electrical static discharge.
- Use a solid grounding wrist strap and distintively place all electronic components in static-shielded devices to prevent static. Grounding wrist straps can be purchased in any electronic supply store.
- Confirm that the power source is turned off and then disconnect the power cords from your system before performing any type of installation or manual servicing. A sudden surge of power could serverly damage the sensitive electronic components.
- Do not precipitously open the system's top cover. If you must open the cover for maintenance purposes, only a trained technician should be allowed to proceed this action. Integrated circuits on computer boards are highly sensitive to static electricity. Before operating a board or integrated circuit, touch an unpainted portion of the system unit chassis for a couple of seconds to discharge any static electricity on your body.

**Place the server in a stable environment.**

請將伺服器放置在穩定的環境中。

请将伺服器放置在穩定的環境中。

**Поместите сервер в стабильную среду.**

**Plaats de server in een stabiele omgeving.**

- Place this equipment on a stable surface when installing. A small mild drop or fall could cause fatal injury to both the equipment and the person handling the equipment.
- Please keep this equipment away from humidity to prevent vast rust and disintergration.
- Carefully and accurately mount the equipment into the rack. Uneven mechanical loading may lead to hazadous consequences.
- This equipment is to be installed for operation in an environment with maximum ambient temperature below 35°C.
- Review the environment before performing any installation or servicing. Keep the equipment away from hazardous and uneven grounds.
- This server must be installed only in Restricted Acss Locations.

**Handle equipment with care.**

請謹慎操作設備。

请谨慎操作设备。

**Обращайтесь с оборудованием осторожно.**

**Behandel de apparatuur voorzichtig.**

- Do not cover the openings of the system. The openings on the system are for air convection, which intentionally protect the equipment from overheating.
- Never pour any liquid into ventilation openings of the system. This could cause catastrophic fire or electrical shock.

- Ensure that the voltage of the power source is within the specification on the label when connecting the equipment to the power outlet. The current load and output power of loads must be within the specification.
- This equipment must be firmly connected to reliable grounding before usage. Pay special attention to power supplied other than direct connections, e.g. using of power strips.
- Place the power cord out of the way of foot traffic. Do not place anything over the power cord. The power cord must be rated for the product, voltage and current marked on the product's electrical ratings label. The voltage and current rating of the cord should be greater than the voltage and current rating marked on the product.

**Pay attention to hardware maintenance.**

注意硬體維護。

注意硬体维护。

**Обратите внимание на обслуживание оборудования.**

**Besteed aandacht aan hardware-onderhoud.**

- If the equipment is not used for a long time, disconnect the equipment from mains to avoid being damaged by transient over-voltage.
- Module and drive bays must not be empty. They must have a dummy cover.
- Never open the equipment without professional assistance. For safety reasons, only qualified service personnel should open the equipment.
- If one of the following situations arise, the equipment should be checked and tested by service personnel:
  1. The power cord or plug is damaged.
  2. Liquid has penetrated the equipment.
  3. The equipment has been exposed to moisture.
  4. The equipment does not work well or will not work according to its user manual.
  5. The equipment has been dropped and/or damaged.
  6. The equipment has obvious signs of breakage.
  7. Please disconnect this equipment from the AC outlet before cleaning. Do not use liquid or detergent for cleaning. The use of a moisture sheet or cloth is recommended for cleaning.



**CAUTION**

The equipment intended for installation should be placed in Restricted Access Location.



**CAUTION**

There will be a risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions. After performing any installation or servicing, make sure the enclosure is correct in position before turning on the power.



**CAUTION**

This unit may have more than one power supply. Disconnect all power sources before maintenance to avoid electric shock.



# About This Manual

Thank you for selecting and purchasing RSC-4H1

This user's manual is provided for professional technicians to perform easy hardware setup, basic system configurations, and quick software startup. This document pellucidly presents a brief overview of the product design, device installation, and firmware settings for RSC-4H1 Rackmount Chassis. For the latest version of this user's manual, please refer to the AIC® website: RSC-4H1 is a flexible rackmount storage chassis with tool-less design. This product supports hot swappable HDDs and easy swap fans. For more information about our product, please visit our website at <https://www.aicipc.com/en/productdetail/51347>.

## **Chapter 1 Product Features**

This chapter delivers the overall layout of the product, including the fundamental components of the rackmount chassis, design specifications, and noteworthy features.

## **Chapter 2 Hardware Setup**

This chapter displays an easy installation guide for assembling the chassis. Utmost caution for proceeding to set up the hardware is highly advised.

## **Chapter 3 Hardware Specifications**

This chapter elaborates the overall layout of the hardware design, including multifarious connectors, jumpers, and LED descriptions.

## **Chapter 4 Technical Support**

For more information or suggestion, please contact the nearest AIC® corporation representative in your district or visit the AIC® website: <http://www.aicipc.com/en/index>. It is our greatest honor to provide the best service for our customers.

# Chapter 1. Product Features

RSC-4H1 is a flexible rackmount storage chassis with tool-less design. This product supports hot swappable disk drives, and four hot swap fans. For more information about our product, please visit our website at <http://www.aicpc.com/en/index>.

Before removing the subsystem from the shipping carton, visually inspect the physical condition of the shipping carton. Exterior damage to the shipping carton may indicate that the contents of the carton are damaged. If any damage is found, do not remove the components; contact the dealer where the subsystem was purchased for further instructions. Before continuing, first unpack the subsystem and verify that the number of components in the shipping carton is accurate and in good condition.

## 1.1 Components

This product contains the components listed below. Please confirm the number and the condition of the components before installation.

- System barebone (includes power supply, fan & hard disk drive tray)
- Power cord (vary per region, optional)
- Slide rail x 1 set (optional)

Pre-installed into the system		Number
option	800W 2+2 redundant PSU PMBus 1.2 80+ Platinum	2+2
	1200W 1+1 redundant PSU PMBus 1.2 80+ Platinum	1+1
✓	3.5-inch internal hot swap drive bays	60
✓	2.5-inch external hot swap drive bays	2/4/6/8
✓	Middle: 4 x 80x38mm hot swap fans	4
Accessory Item		Number
✓	12 x 2.5-inch HDD bottom screw : F(+),M3X4L,NI	48
✓	3.5-inch HDD : F(+),632X6L,NI	125
✓	Hex standoff: M3X6.3L-6#32X4L	12
✓	Motherboard screw: RW(+),M3X4L,NI	20
✓	Front board EPE foam: 576*524*140H	2
✓	Rear board EPE foam: 576*524*140H	1
✓	Front tray EPE foam: 576*524*220H	1
✓	Rear tray EPE foam: 576*524*220H	1
✓	EPE PAD: 325*145*30T	2
✓	37-inch tool-less slide rail assembly	1
option	Power cord	vary per region
option	Cable Management Kit	1

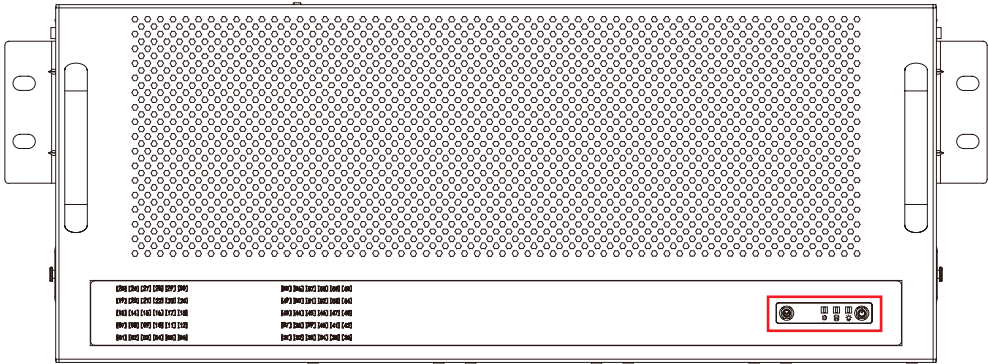
**Product specifications and features are subject to change without prior notice.**

## 1.2 Specifications

<b>Dimensions</b> (W x D x H)	mm : 434 x 853 x 176			<b>Backplanes</b>	• 2 x 30-port 12G SAS backplanes with 40-PHY expander	
	inches : 17.1 x 33.5 x 6.9				• 2 x 30-port 24G SAS backplanes with 40-PHY expander (TBD)	
<b>Industry Standard</b>	EIA-RS310D			<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)	
<b>Material</b>	Heavy-duty preplated SGCC cold-rolled steel			<b>Humidity</b>	5%~95% non-condensing	
<b>Color</b>	Front Panel : Black			<b>Gross Weight</b>	(w/ PSU & Rail) (excluding pallet)	kgs : 45
<b>Cooling</b>	Standard	Middle : 4 x 80x38mm hot swap fans				lbs : 99.2
	Option	Up to 2 x 60x38mm easy swap fans				
<b>Power Supply</b>	Options	• 800W 2+2 redundant		<b>Packaging Dimensions</b>	(W x D x H)	mm : 586 x 1110 x 400
		• 1600W 1+1 redundant				inches : 23 x 43.7 x 15.7
<b>Expansion Slots</b>	7 full height			<b>Cubic Feet</b>	9.25	
<b>Front Panel</b>	System power on/off, System reset			<b>Container Load Quantity</b>	20'	100
<b>LED Indicators</b>	Power, ID, Drive				40'	212
<b>System Board</b>	12"(W) x 13"(D) E-ATX/SSI EEB 3.6 compliant MB				40' H	255
<b>Drive Bays</b>	External	2.5" hot swap	2/4/6/8	<b>Mounting</b>	Standard	37" tool-less slide rail
	Internal	3.5" hot swap	60		Option	Cable Management Kit

- High-density storage server chassis
- Tool-less design for easy maintenance
  - Tool-less top cover
  - Tool-less drive backplane sliding mechanism
- 60 tool-less top-loading 3.5" drive trays with built-in light pipe for drive status LED
- Hot swap cooling fans and 80+ redundant power supply
- Supports up to 2/4/6/8 x 2.5" hot swap drives for OS
- Flexible Motherboard plate design for E-ATX form factor in market

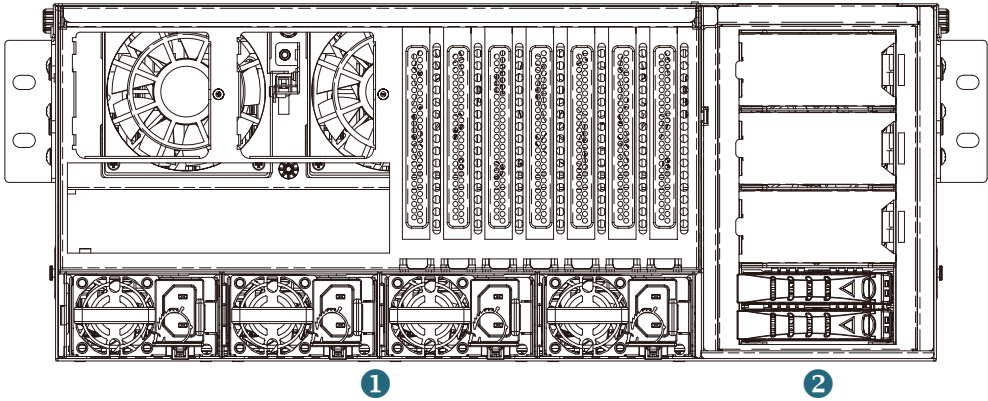
### 1.3 Feature Front Panel



System Button and LED Indicator

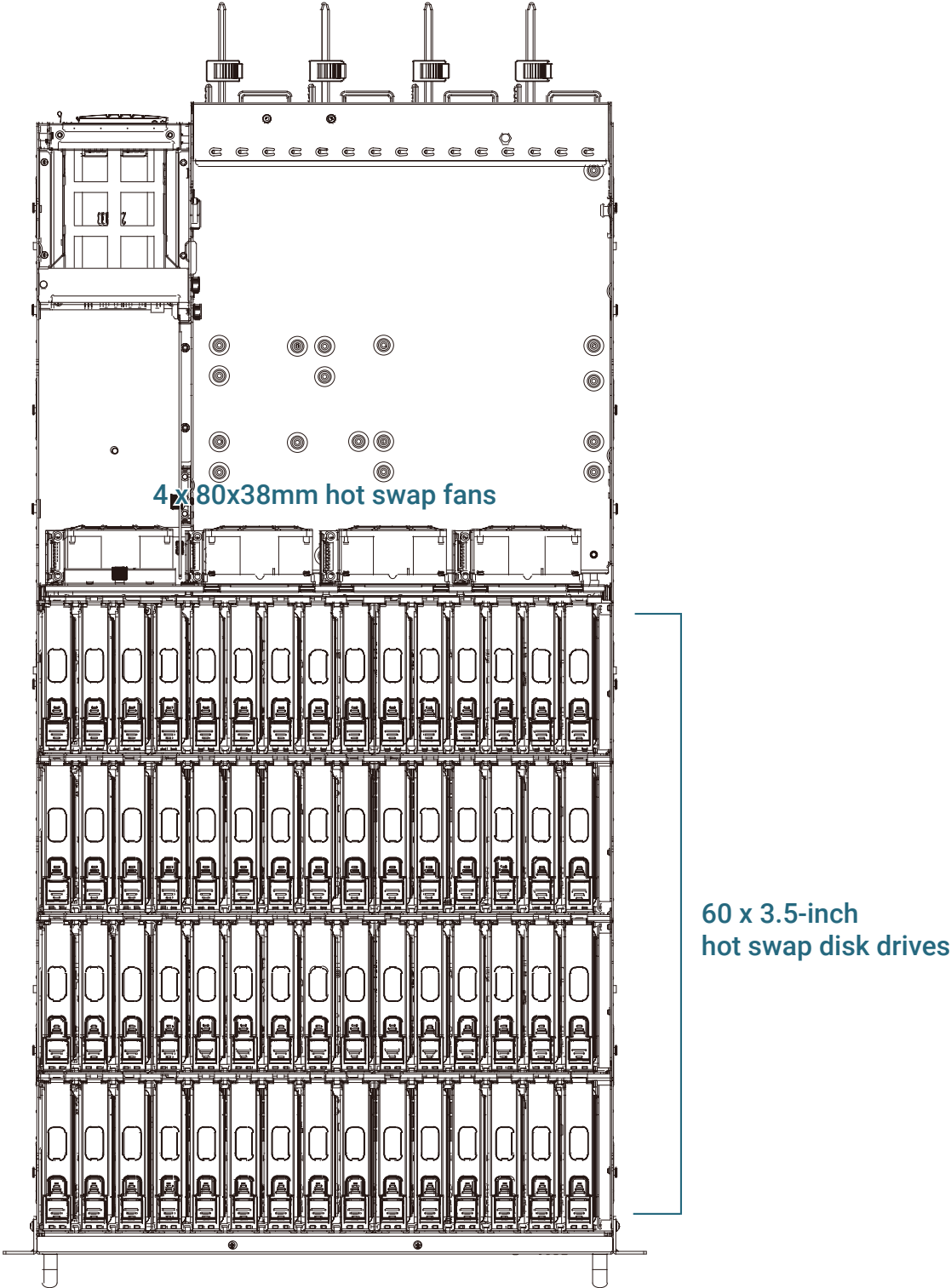
Item	Description	Item	Description
	Power Button		System ID LED
	Power Status LED		System Reset Button
	Drive Activity LED		


### Option 1 Rear Panel with SATA PSU\*4



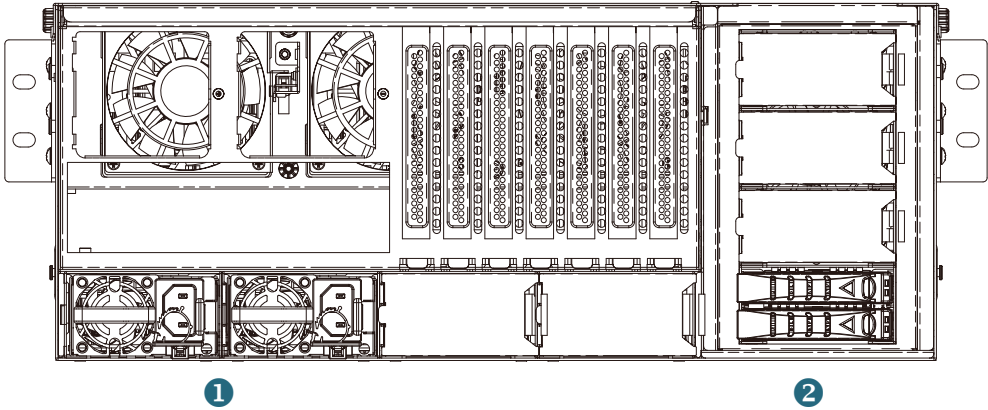
Item	Content	Description
1	PSU socket	800W 2+2 redundant PSU PMBus 1.2 80+ Platinum
2	Disk drive tray	2x 2.5" hot swap disk drive bay

Top View



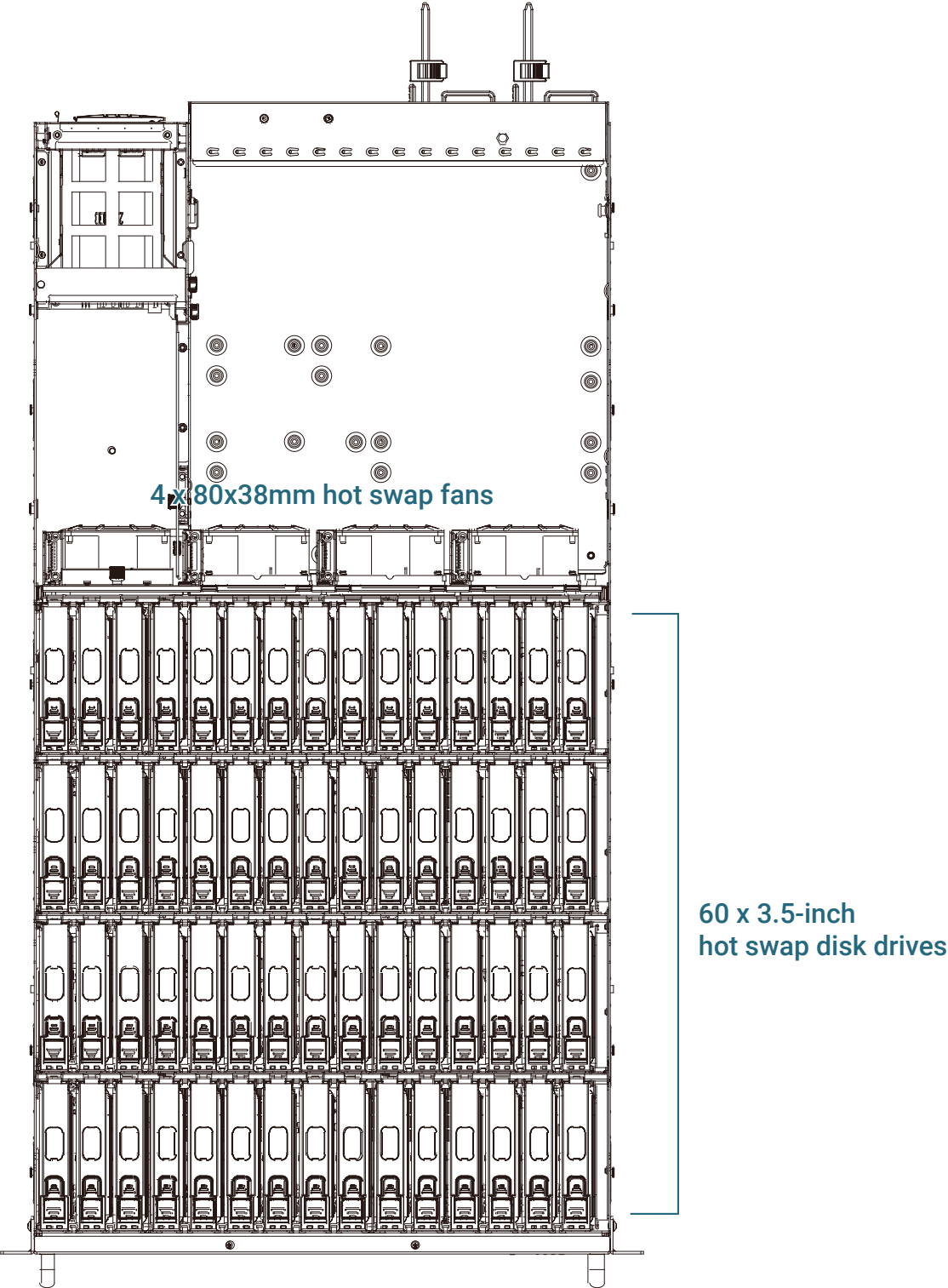
 **NOTE**  
Motherboard is not included in this product.


**Option 2 Rear Panel with SATA  
PSU\*2**



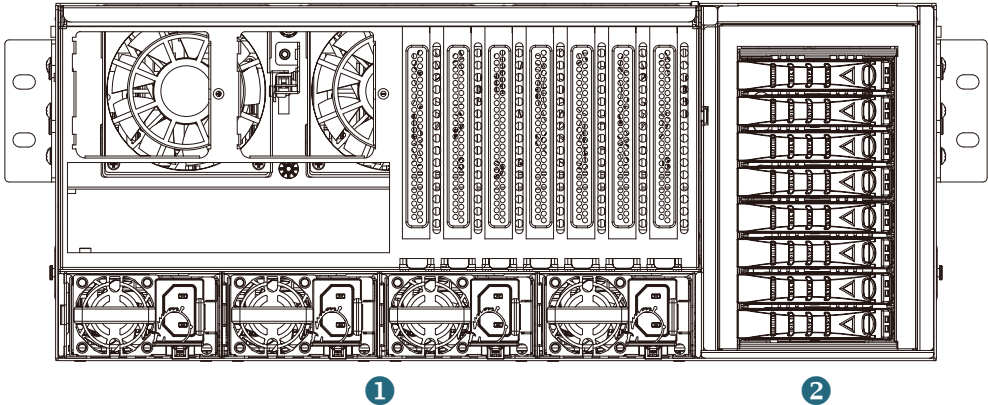
Item	Content	Description
1	PSU socket	1200W 1+1 redundant PSU PMBus 1.2 80+ Platinum
2	Disk drive tray	2x 2.5" hot swap disk drive bay

Top View



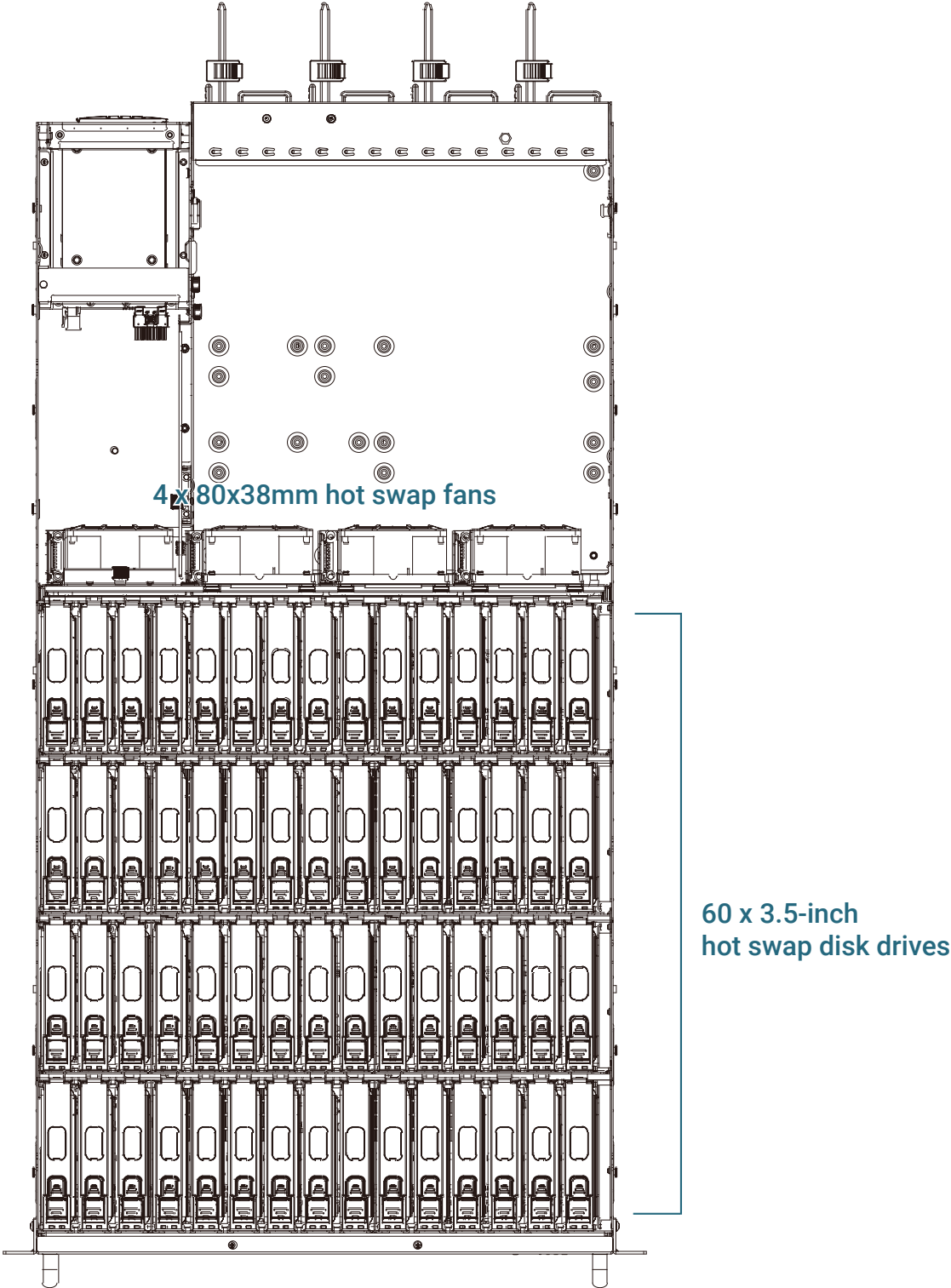
 **NOTE**  
Motherboard is not included in this product.

**Option 3 Rear Panel with NVMe  
PSU\*4**



Item	Content	Description
1	PSU socket	800W 2+2 redundant PSU PMBus 1.2 80+ Platinum
2	Disk drive tray	8x 2.5" hot swap disk drive bay

Top View

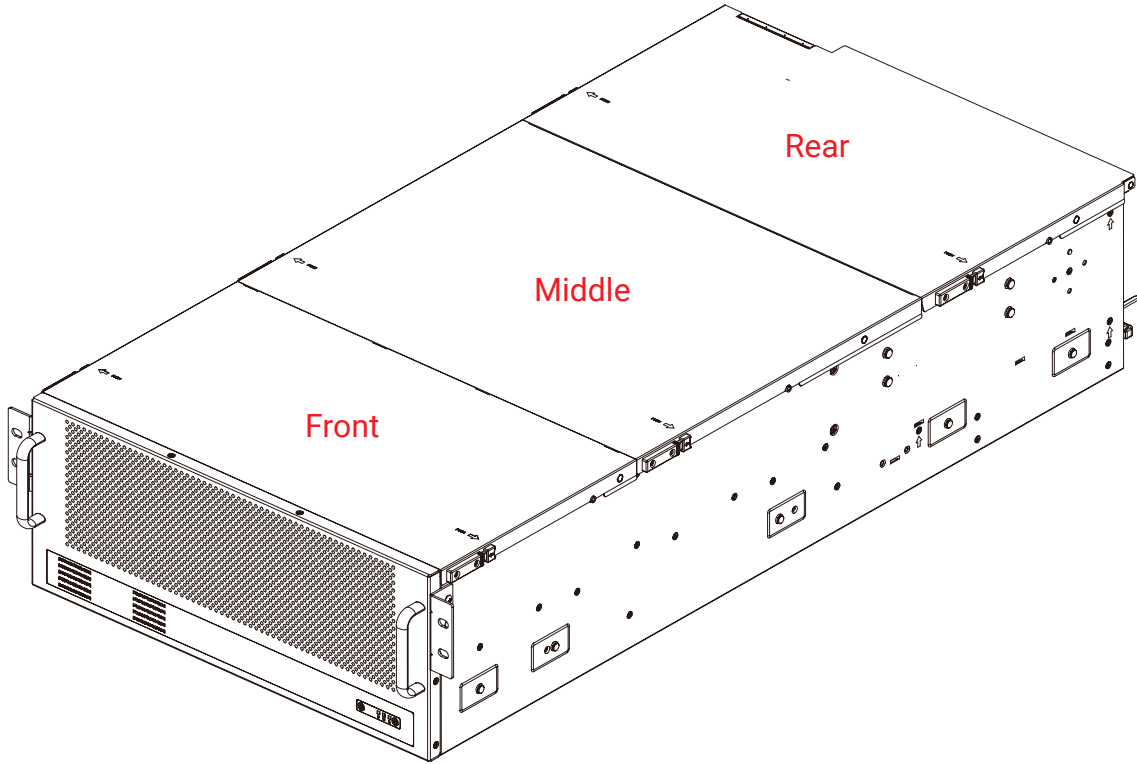


 **NOTE**  
Motherboard is not included in this product.

# Chapter 2. Hardware Setup

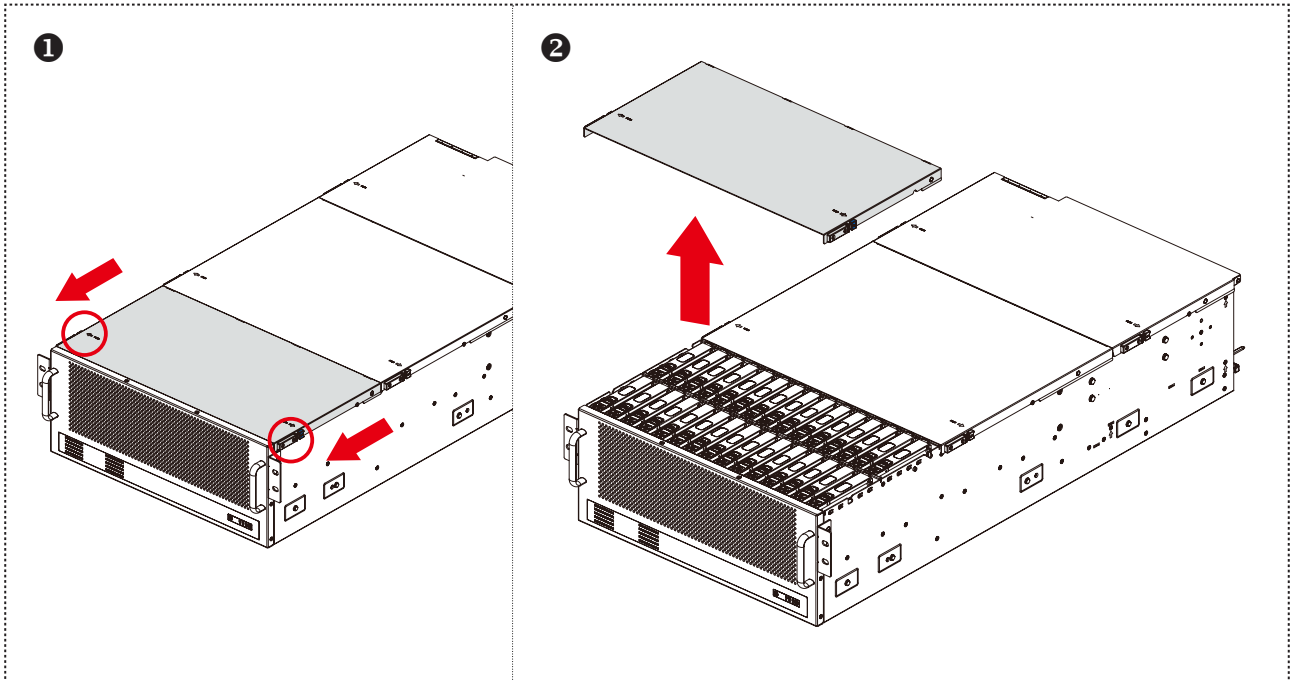
## 2.1 Top Cover

The server consists of three covers: cover front, middle, and rear cover.



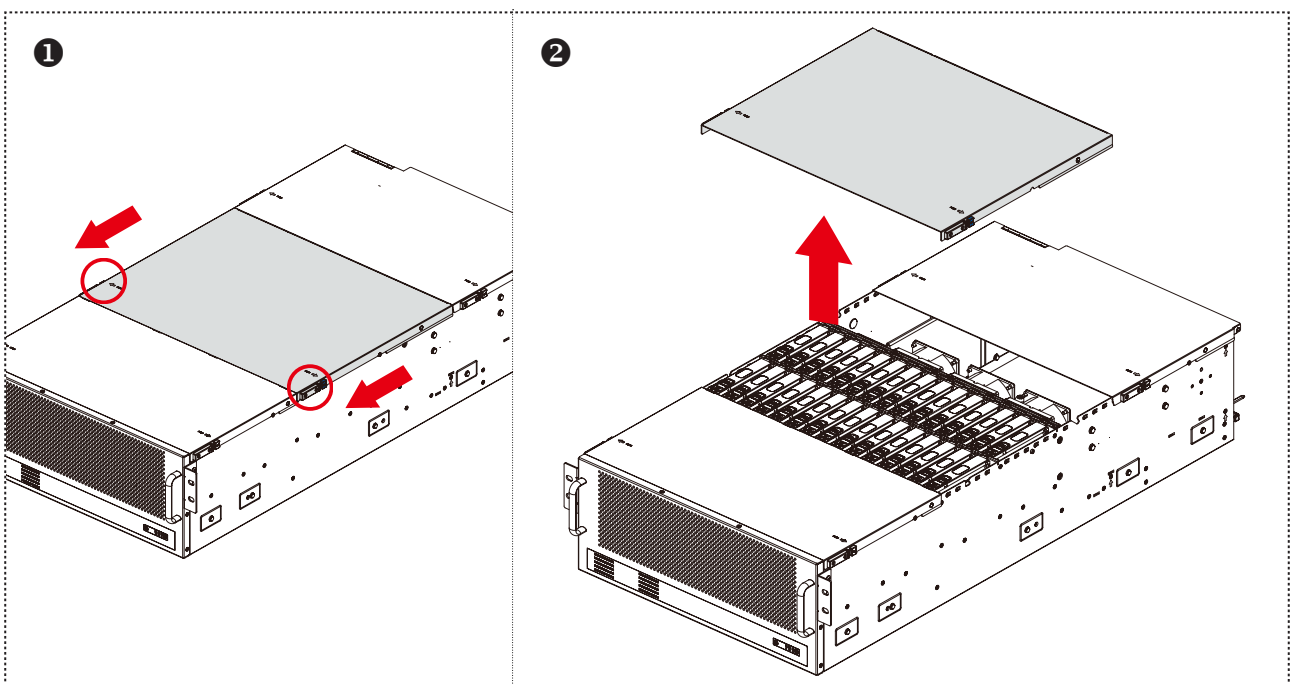
### Front Cover

- ① Press the eject button on both sides of the top cover and simultaneously push the cover towards the front panel.
- ② Lift upward to remove the cover.



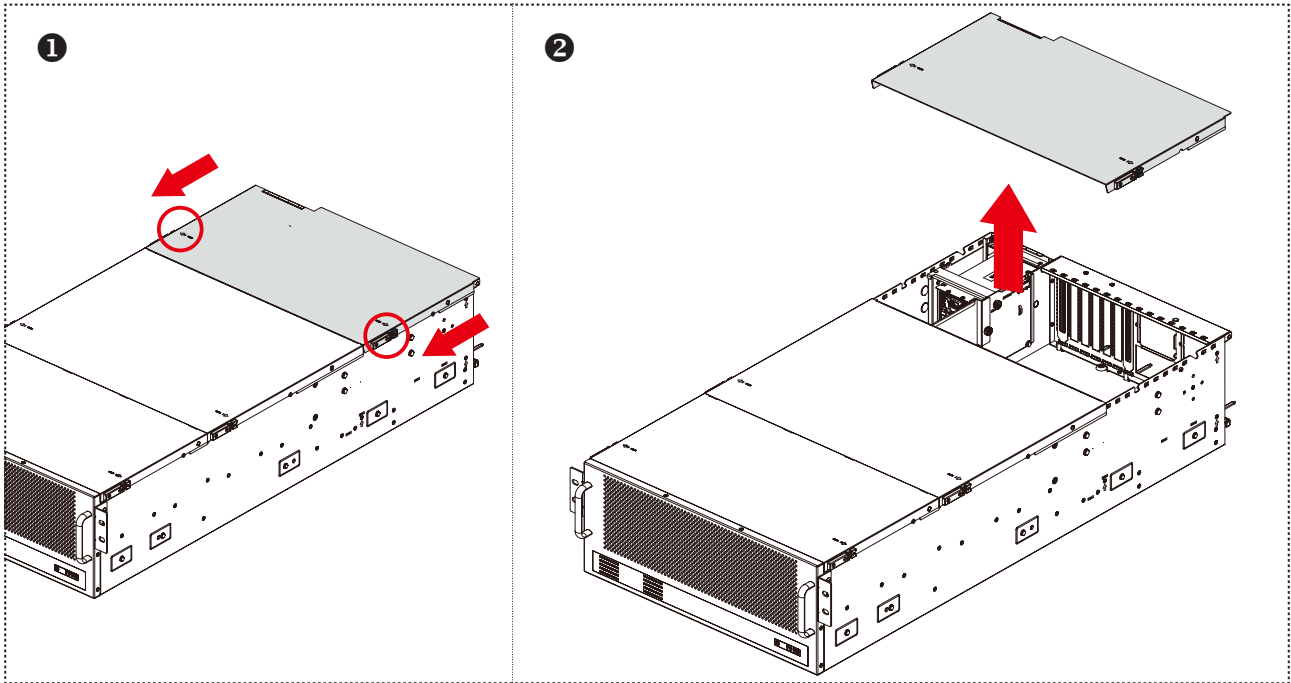
### Middle Cover

- ① Press the eject button on both sides of the top cover and simultaneously push the cover towards the front panel.
- ② Lift upward to remove the cover.



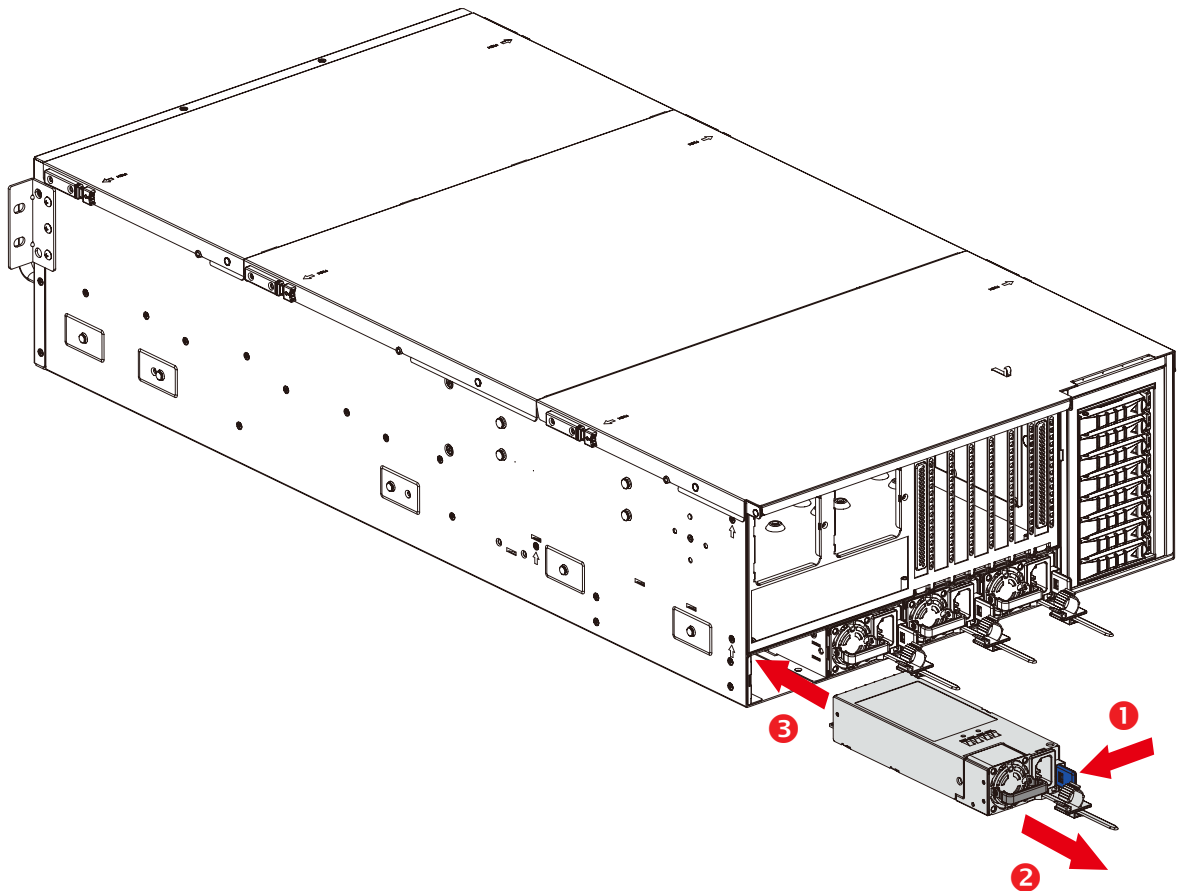
## Rear Cover

- ① Press the eject button on both sides of the top cover and simultaneously push the cover towards the front panel.
- ② Lift upward to remove the cover.



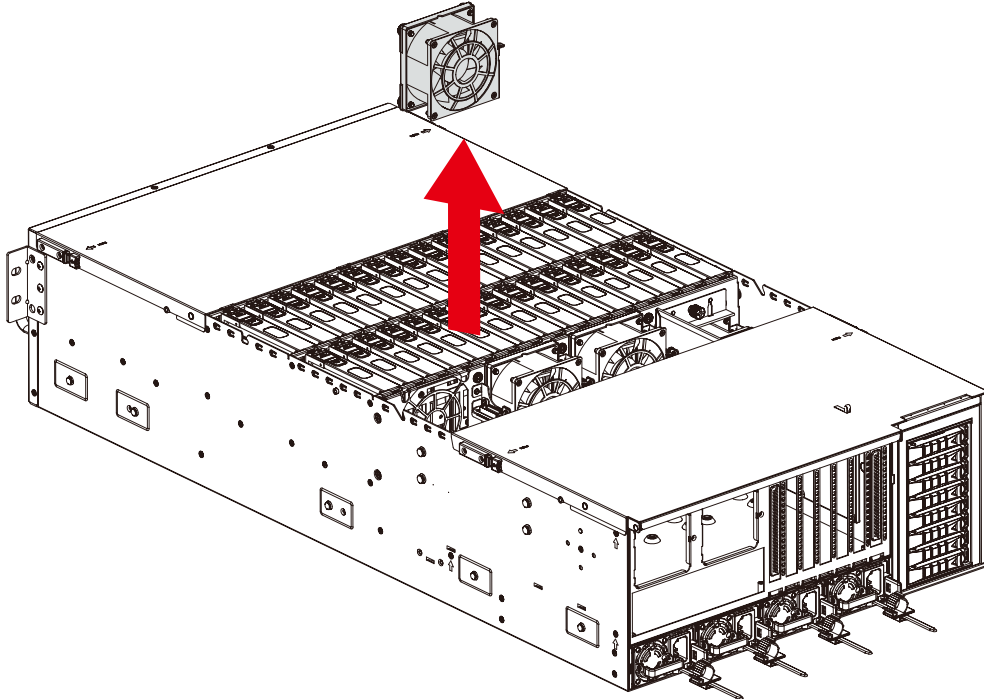
## 2.2 Power Supply Unit Module

- ① Press the ejector to release the module.
- ② Pull the handle to remove the module out of the chassis.
- ③ Push the replaced module into the chassis to complete installation. Ensure that the module is accurately inserted and locked into the chassis.

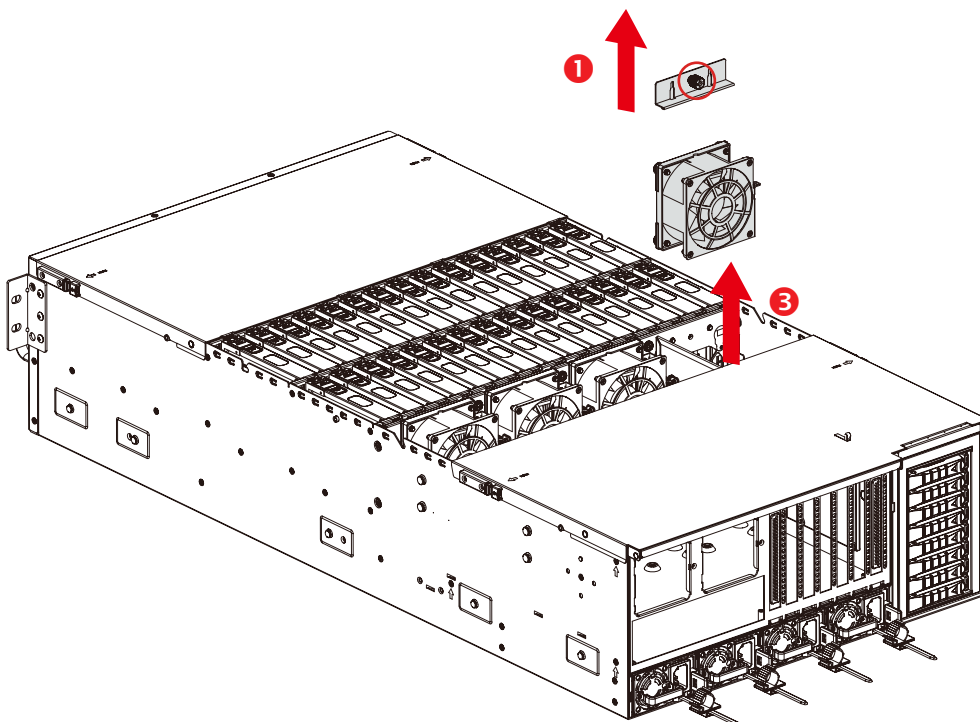


## 2.3 Fan Module

- ① Remove the top cover of the chassis. Please refer to [Section 2.1 Top Cover](#).
- ② Unplug the fan cables and connectors from the server board.
- ③ Pull the top fan out of the chassis.



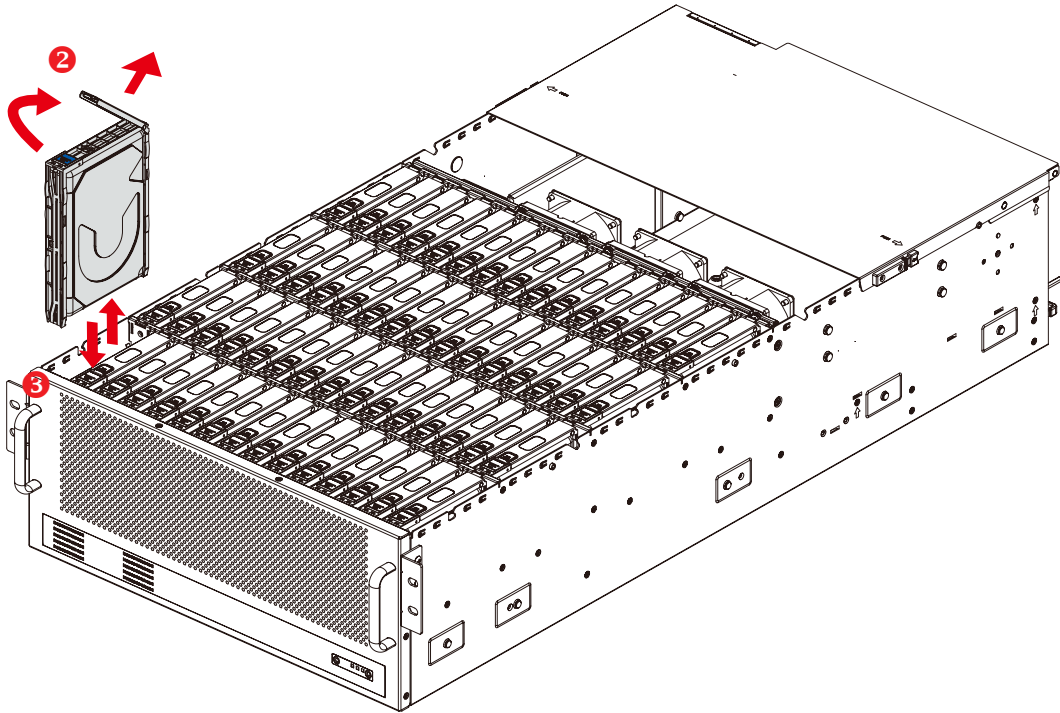
- ① Dislodge the captive screw on the bracket securing the fan.
- ② Unplug the fan cables and connectors from the server board.
- ③ Pull the top fan out of the chassis.



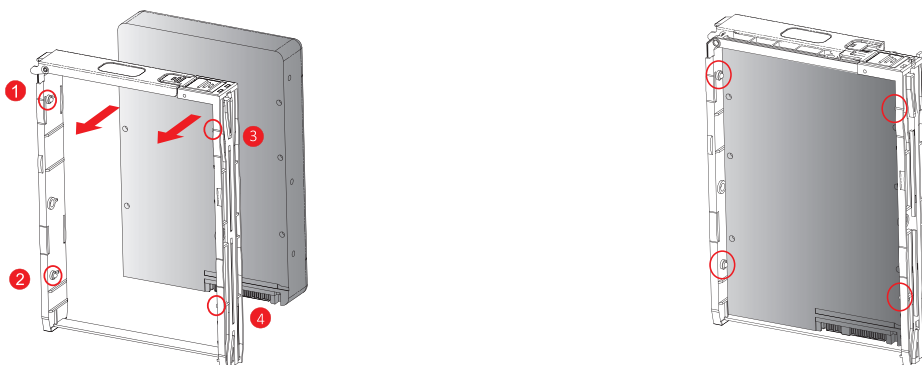
## 2.4 Hard Disk Drive

### 2.4.1 Disk Drive: 3.5-inch

- ① Press the ejector on the tray to release the handle.
- ② Pull the tray handle completely outward.
- ③ Pull the drive tray out of the chassis.



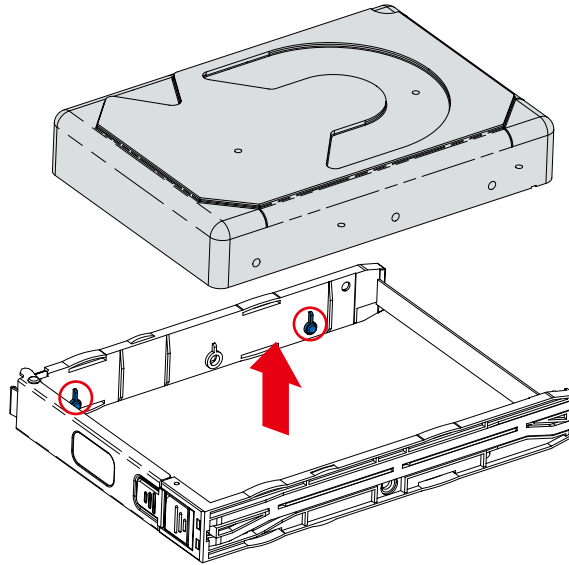
- ④ Match the dimples on the HDD with the tool-less tray.
- ⑤ Align the HDD with the tray by placing it against each other.
- ⑥ Insert the HDD into the tool-less tray in the suggested order above. Make certain to attach the side of the tray with the larger dimples to the HDD first and the side with the smaller dimples last for easier installation.



- ⑦ Complete the installation. Pull the sides of the tray to remove the HDD. Make certain to pull the tray with smaller dimples first away from the HDD and the larger dimples last for easier removal.

**Remove the 3.5-inch HDD from the tray**

Pull the sides of the tray to remove the HDD. Make certain to pull the tray with smaller dimples first away from the HDD and the larger dimples last for easier removal.

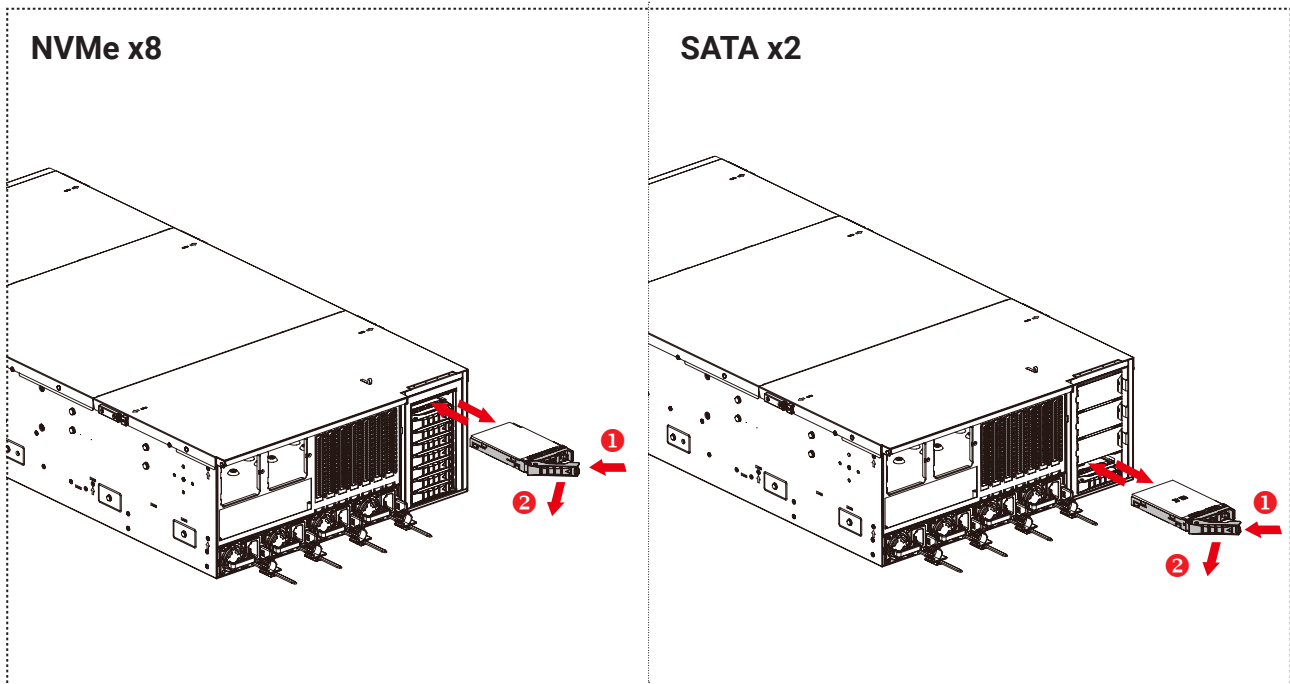
**NOTE**

When you remove the HDD from the tray, please push out the disk only from one direction to avoid causing damage.

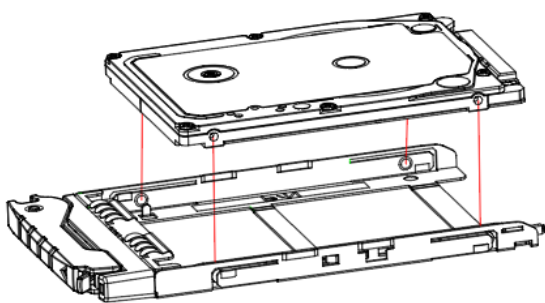
According to the image display above, the dimples should be on the bottom of the tray.

### 2.4.1 Disk Drive: 2.5-inch (NVMe/SATA)

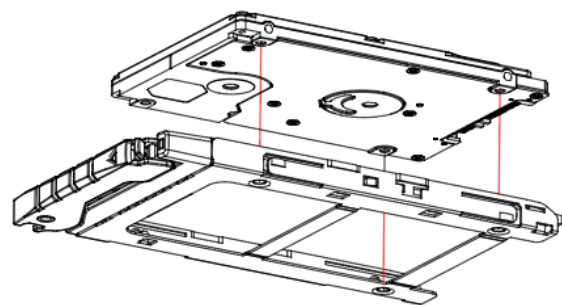
- ① Press the ejector on the tray to release the handle.
- ② Pull the tray handle completely outward.
- ③ Pull the drive tray out of the chassis.



- ④ Insert the hard disk drive into the tray. Ensure that the dimples on the tray match the hard disk drive. For additional assurance, fasten the screws x 4 on the drive tray to secure the hard disk drive.



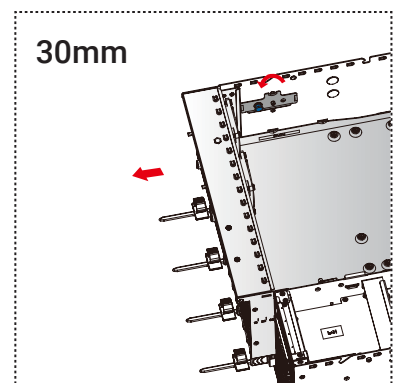
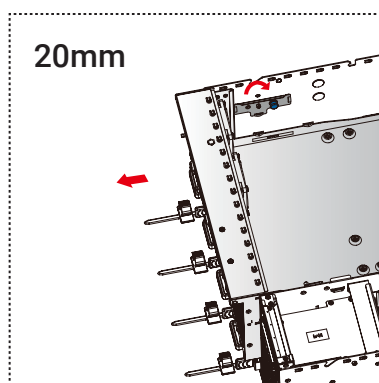
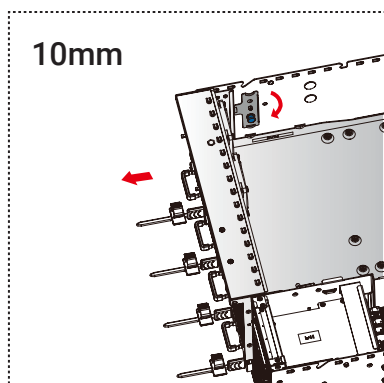
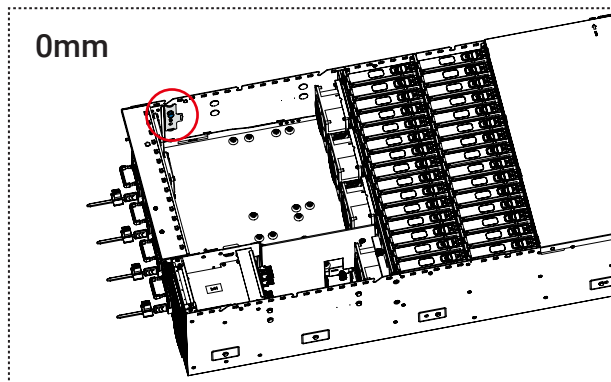
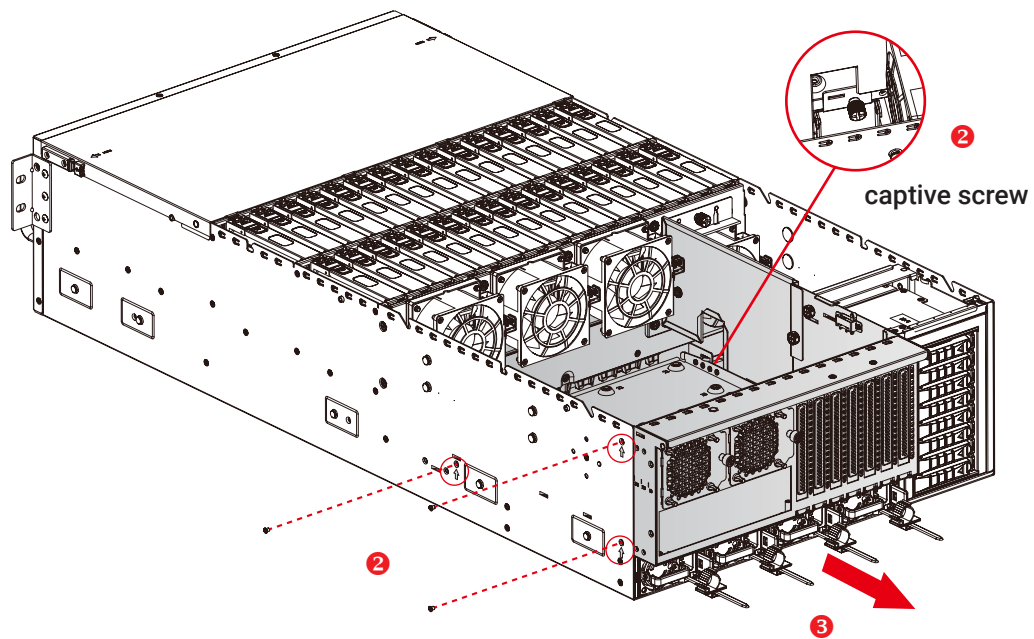
Dimple location



Screw location

## 2.5 Easy Maintenance

- ① Remove the rear top cover of the chassis. Please refer to [Section 2.1 Top Cover](#).
- ② Dislodge the screws and loosen the captive screw to release the motherboard tray.
- ③ Pull the motherboard tray outward.
- ④ Pull the plunger and rotate positioning bracket. Change the direction of the positioning bracket to stable the motherboard tray in three different length (10/20/30mm).



## 2.6 Slide Rail



### NOTE

Tool-less rails vary per order. The rail in this manual may not exactly match the rail for your system. Please refer to the specifications or quick installation guide that came with your purchased product.



### CAUTION

The rack may tilt and fall due to incorrect installation or placed on uneven grounds. The rack must be placed in a flat surface before you begin to slide the system barebone in for servicing.



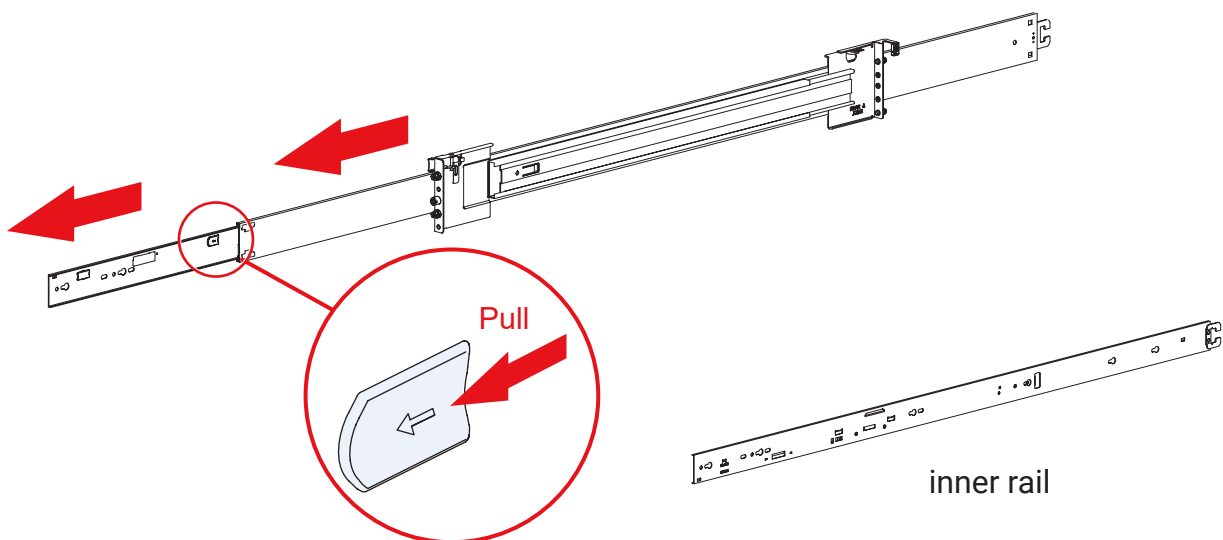
### NOTE

The product installation position is less than 1 meter in height from the supporting surface.

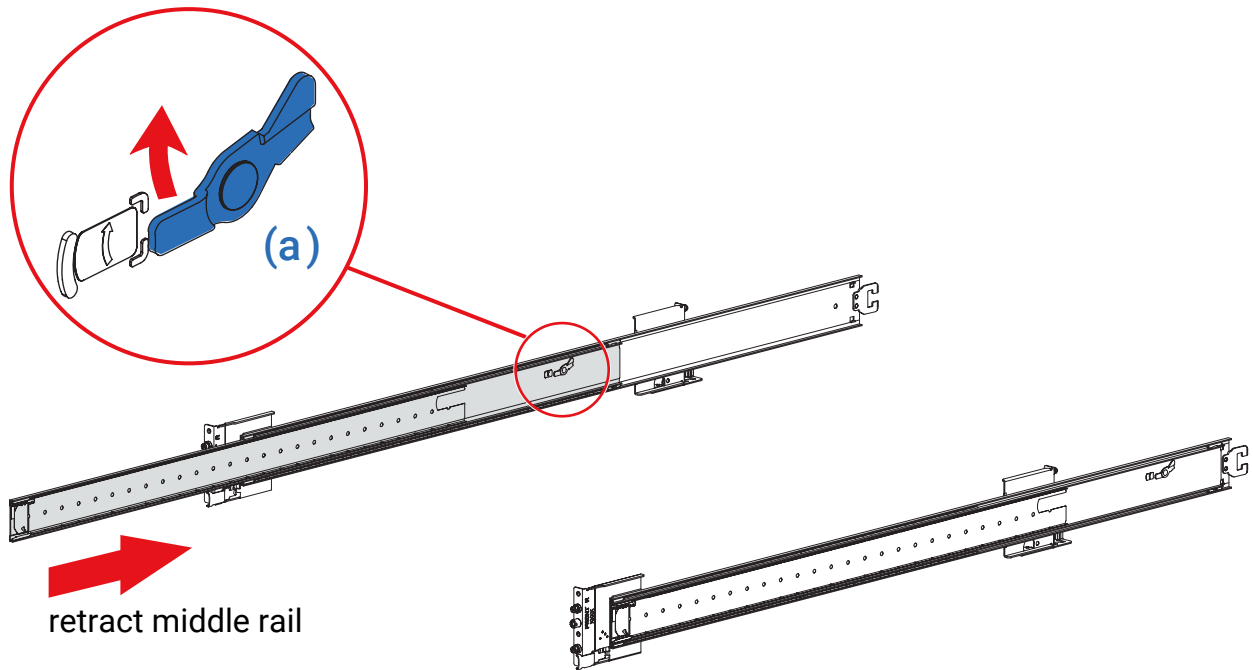
Slide rail	Length	Elongation length
option 1	932.8 mm	611.8 mm
option 2	1006.4 mm	611.8 mm

### 1. Remove the inner rail

- ① Pull the inner rail until it clicks and pull white tab forward to detach the inner rail out of the outer rail .

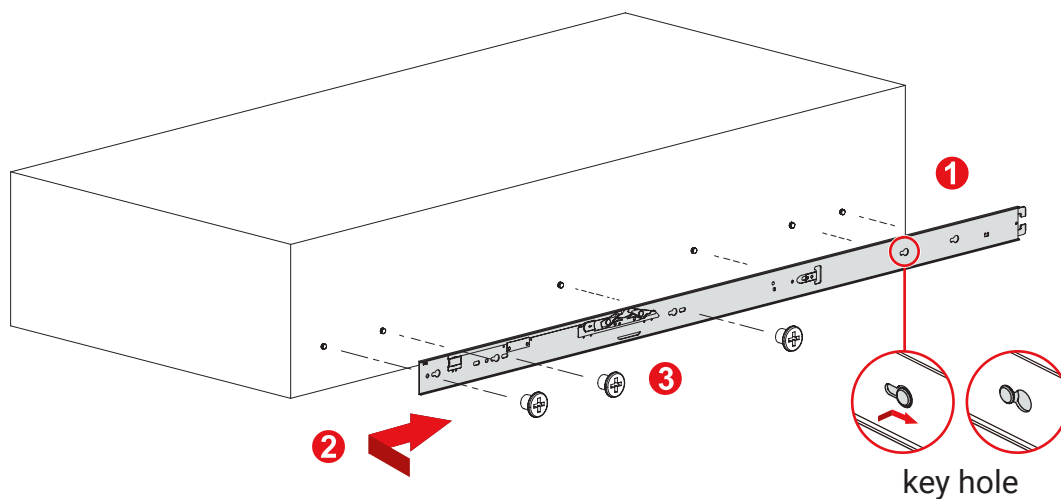


- ② Release the latch (a) according to the arrow's direction, and retract the middle rail back to its original position.



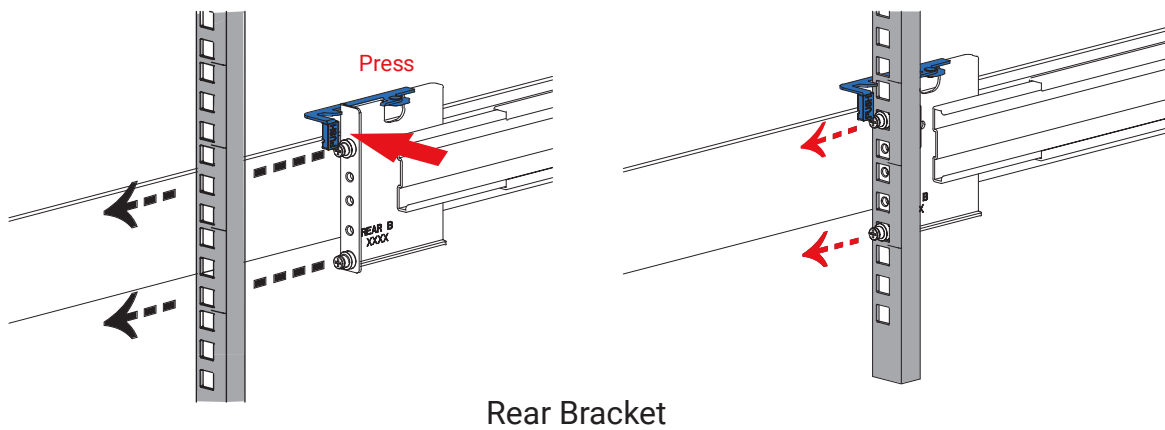
## 2. Install the inner rail onto the chassis

- ① Place the inner rail firmly against the side of the chassis and aligned with the holes in the inner rail.
- ② Slide the inner rail forward until the key hole clicks into the locked position.
- ③ Fasten the screws to the chassis.

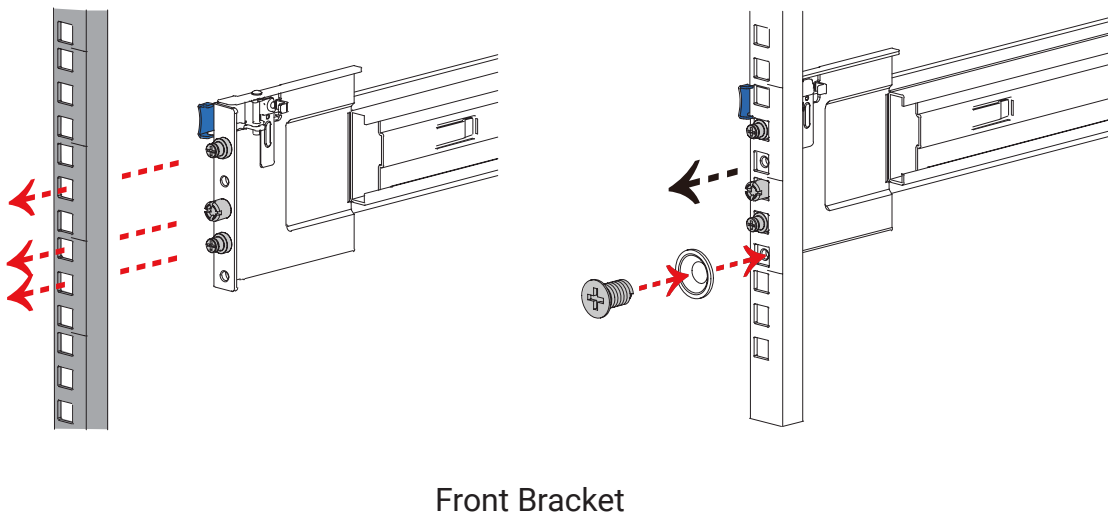


## 3. Fix the outer rail to the frame

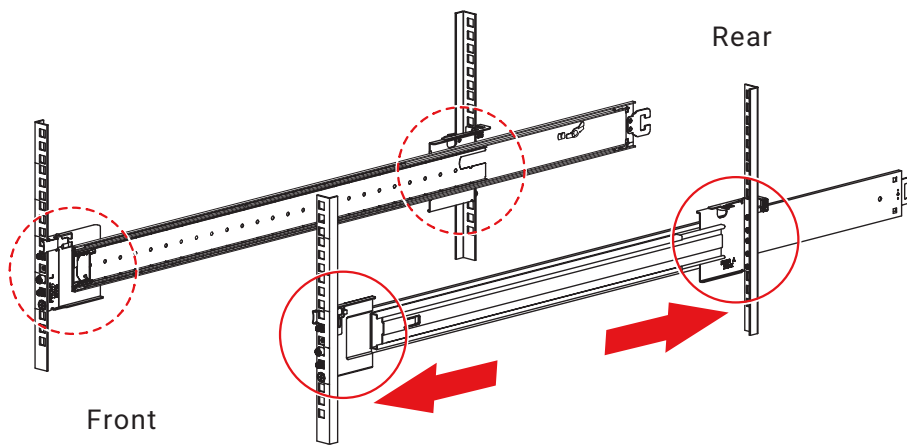
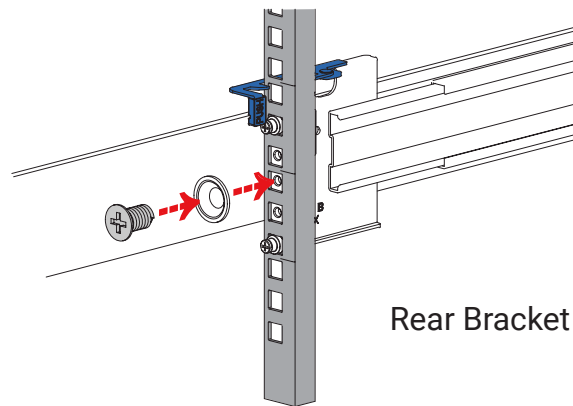
- ① Press the metal lock and align the studs on the slide rail with the holes in the rack frame.



- ② Align the studs on the slide rail with the holes in the rack frame.
- ③ Press the metal lock to hook on the front bracket.
- ④ Secure the screw.

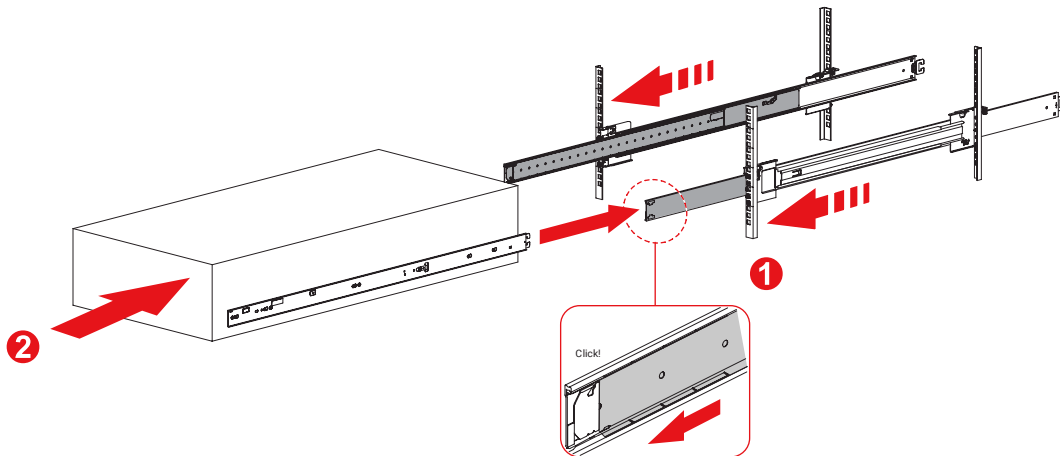


- ⑤ Secure the screw.
- ⑥ Repeat the installation steps for the other side.

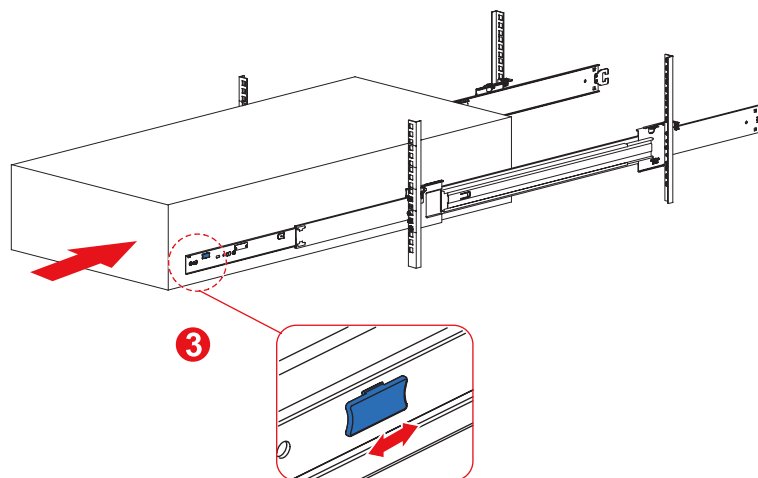


#### 4. Insert the chassis to complete the installation

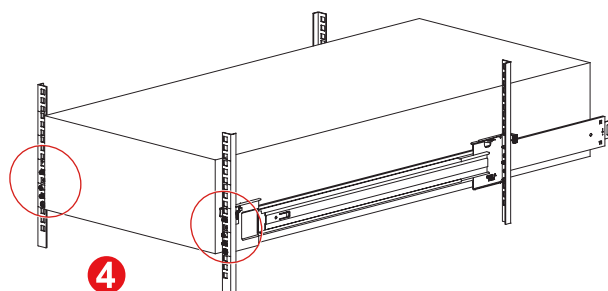
- ① Pull the middle rail fully extended in lock position, ensure ball bearing retainer is located at the front of the middle rail.
- ② Horizontally insert the chassis into middle-outer rails.



- ③ When hit a stop, please pull/push the blue release tab on the inner rails.



- ④ According to the model of the chassis to lock the screw for rackmount ear.



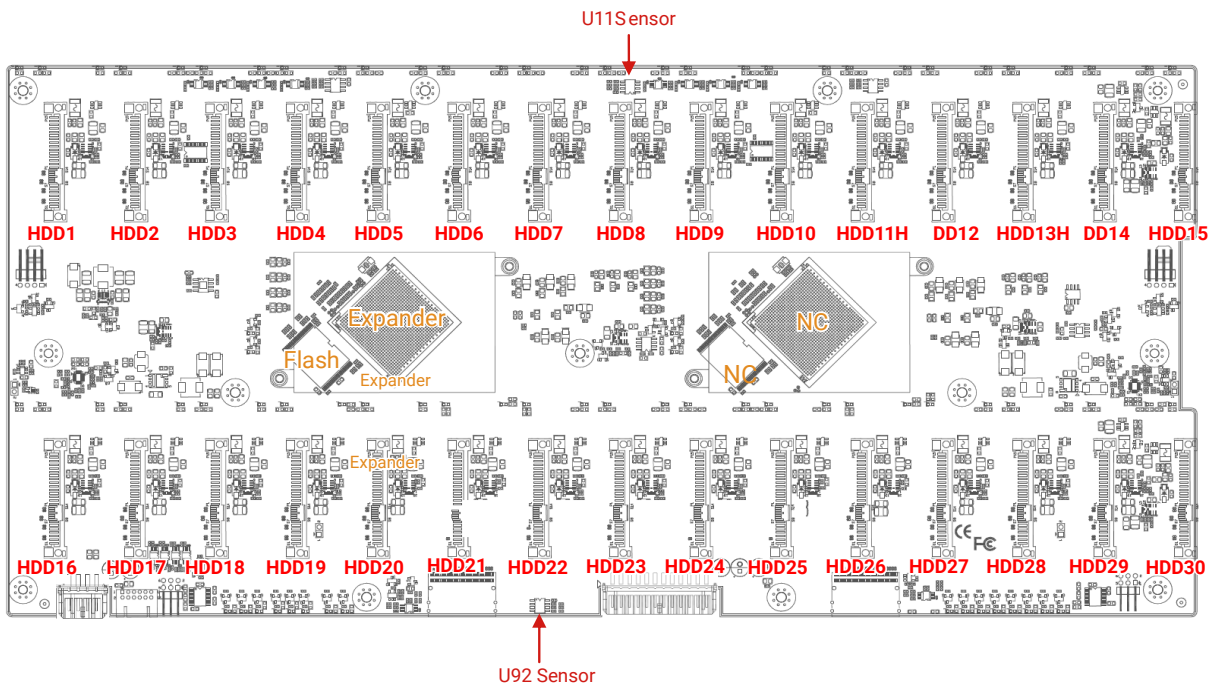
# Chapter 3. Hardware Specifications

This chapter illustrates a detailed instruction guide on hardware specifications.

## 3.1 HDD Backplane

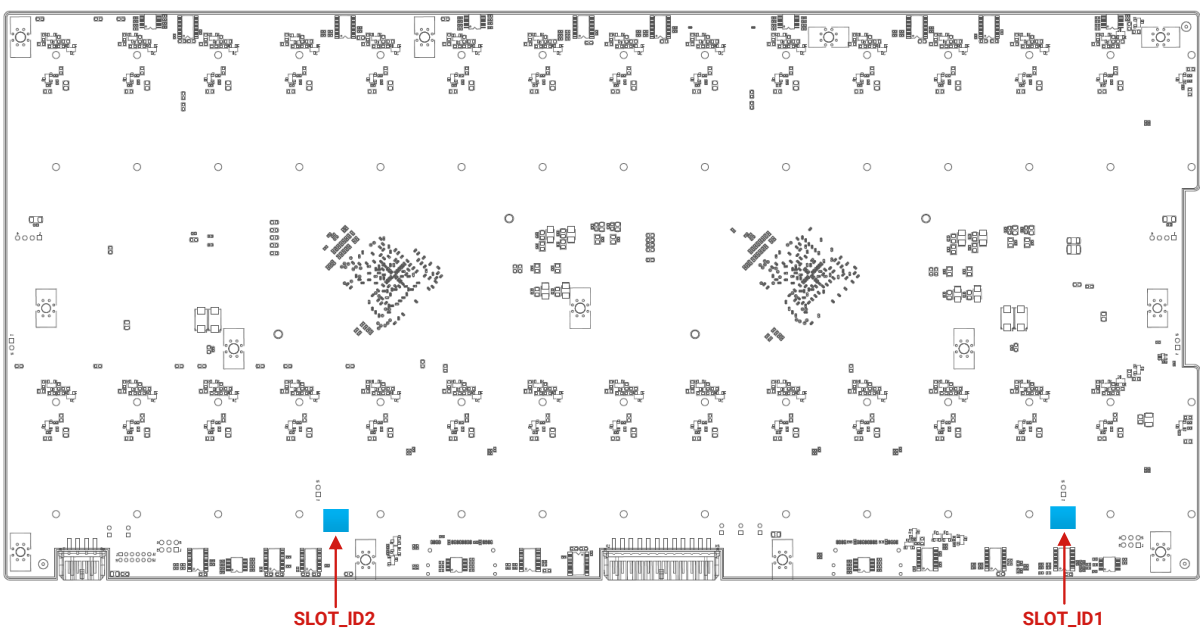
### 3.1.1 Layout

Top view

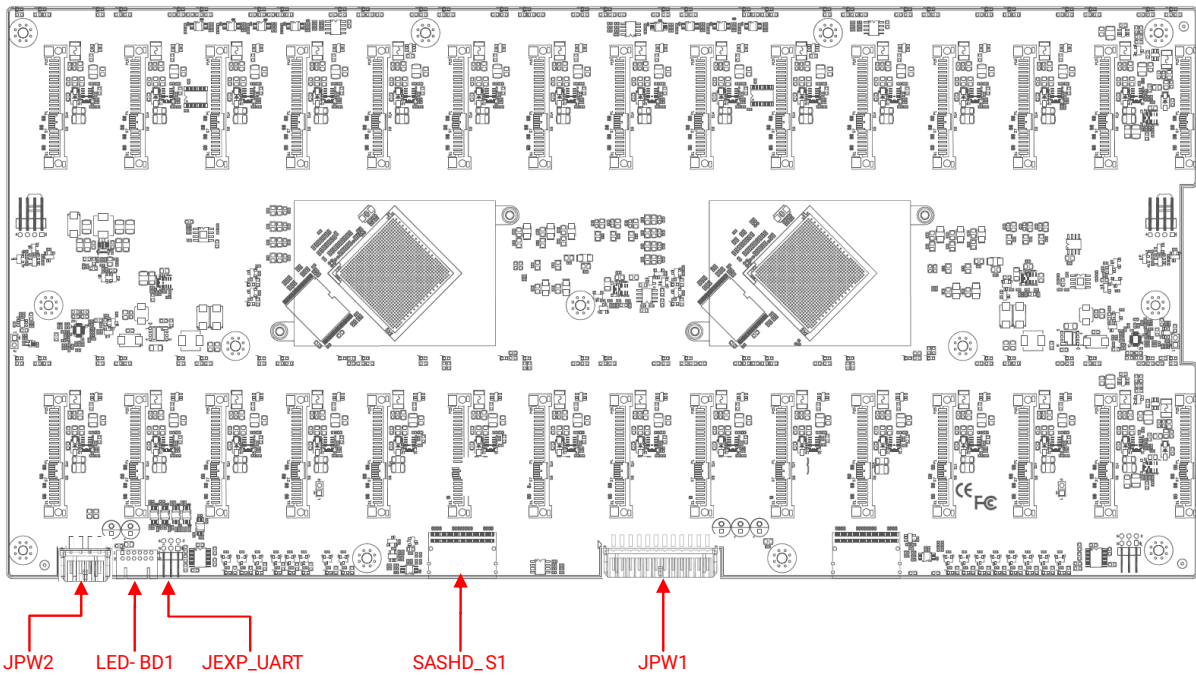


Connector	Description
HDD1-30	SFF-8680 SAS Receptacle (SMT H:14.15mm)

Bottom view



### 3.1.2 Connector

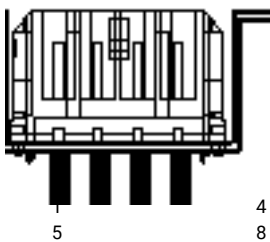


#### Power Connector (JPW1)



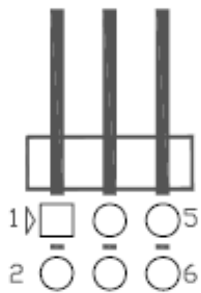
GND	13	1	GND
GND	14	2	GND
GND	15	3	GND
GND	16	4	GND
GND	17	5	GND
GND	18	6	GND
+12V	19	7	+12V
+12V	20	8	+12V
+12V	21	9	+12V
+12V	22	10	+12V
+12V	23	11	+12V
+12V	24	12	+12V

#### Power Connector (JPW2)



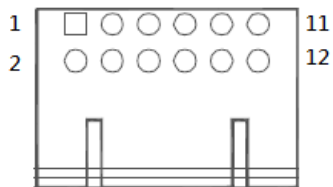
GND	5	1	GND
GND	6	2	GND
+12V	7	3	+12V
+12V	8	4	+12V

Control for Expander (JEXP\_UART1)



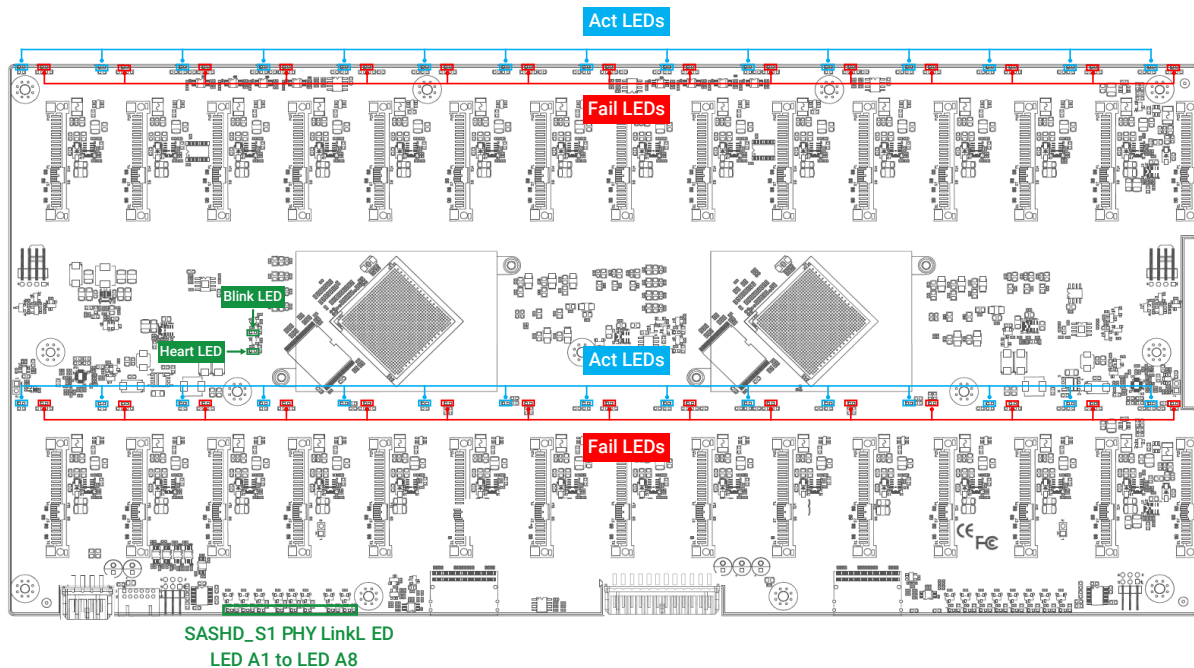
DBG_SIRXD	2	1	SM_SIRXD
GND	4	3	GND
DBG_SITXD	6	5	SM_SITXD

Front LED Board Control for Display HDD LED Status (LED-BD1)



+3V3	1	2	+5V
SLOAD2	3	4	SDATAOUT2
SCLOCK2	5	6	GND
SLOAD1	7	8	SDATAOUT1
SCLOCK1	9	10	CPLD SDA
CPLD SCL	11	12	GND

### 3.1.3 LED Indicator

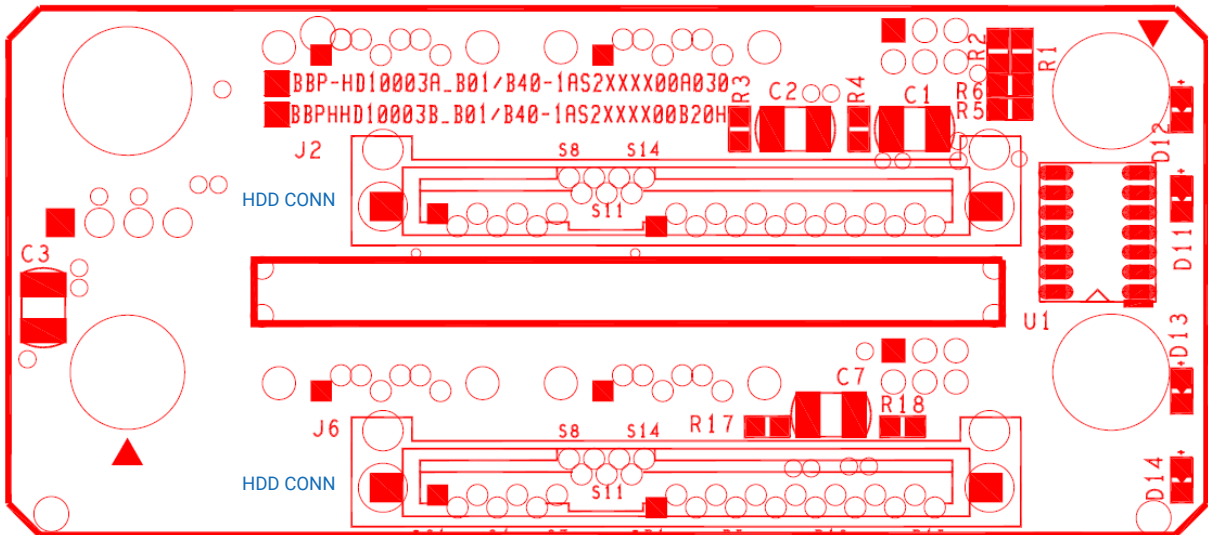


Indicator	Color	Behavior	Description
SAS PHY Link Status (LEDA1 to LEDA8)	Blue	On	Link up
		Blinking	Activity is detected
		Off	Link down
Expander Blink (LED31)	Blue	Blinking	Expander alive, 0.0833Hz (12 seconds per cycle)
Expander Heart Bit (LED33)	Blue	Blinking	Expander FW running
HDD Activity LEDs	Blue	On	HDD present
		Blinking	HDD Activity detected: 8Hz
		Off	HDD Locate: 0.5Hz
HDD Fault/Status LEDs	Red	On	Set by any of the following bits: 1. RQST MISSING 2. RQST FAULT
		Blinking	Set by any of the following bits: 1. RQST CONS CHECK 2. RQST IN CRIT ARRAY 3. RQST IN FAILED ARRAY 4. RQST REBUILD/REMAP 5. RQST R/R ABORT 6. RQST INSERT 7. RQST REMOVE 8. PRDFAIL
		Off	No control bit is set or set by any of the following bits: 1. RQST OK 2. RQST RSVD DEVICE 3. RQST HOT SPARE 4. RQST ACTIVE 5. DO NOT REMOVE 6. RQST IDENT 7. DEVICE OFF

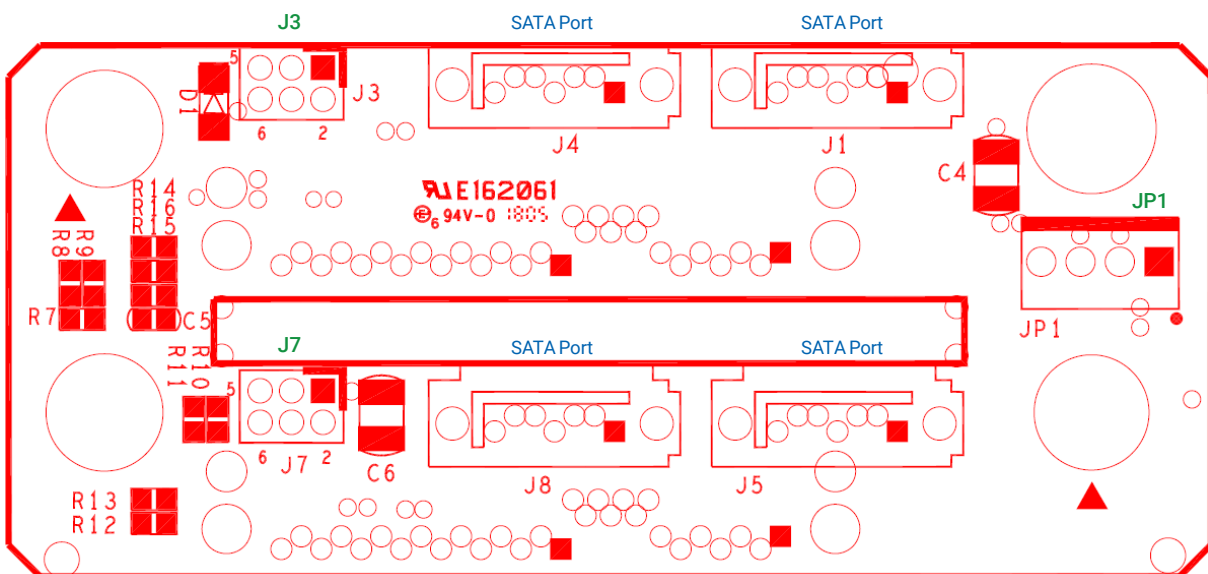
## 3.2 OS Backplane

### 3.2.1 Option 1: 2 Bay

Top view



Bottom view



Connector	Description	Comment
SAS (J2, J6)	SFF-8482 Receptacle	SAS 6G / SATA 6G
SATA (J1, J4, J5, J8)	SATA CONN	SATA 6G

### 3.2.1.1 Connector

Power (JP1)

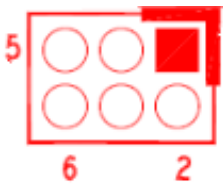
1x4 pin wafer, +12V/+5V input



12V	1	3	GND
GND	2	4	5V

LED I/O (J3, J7)

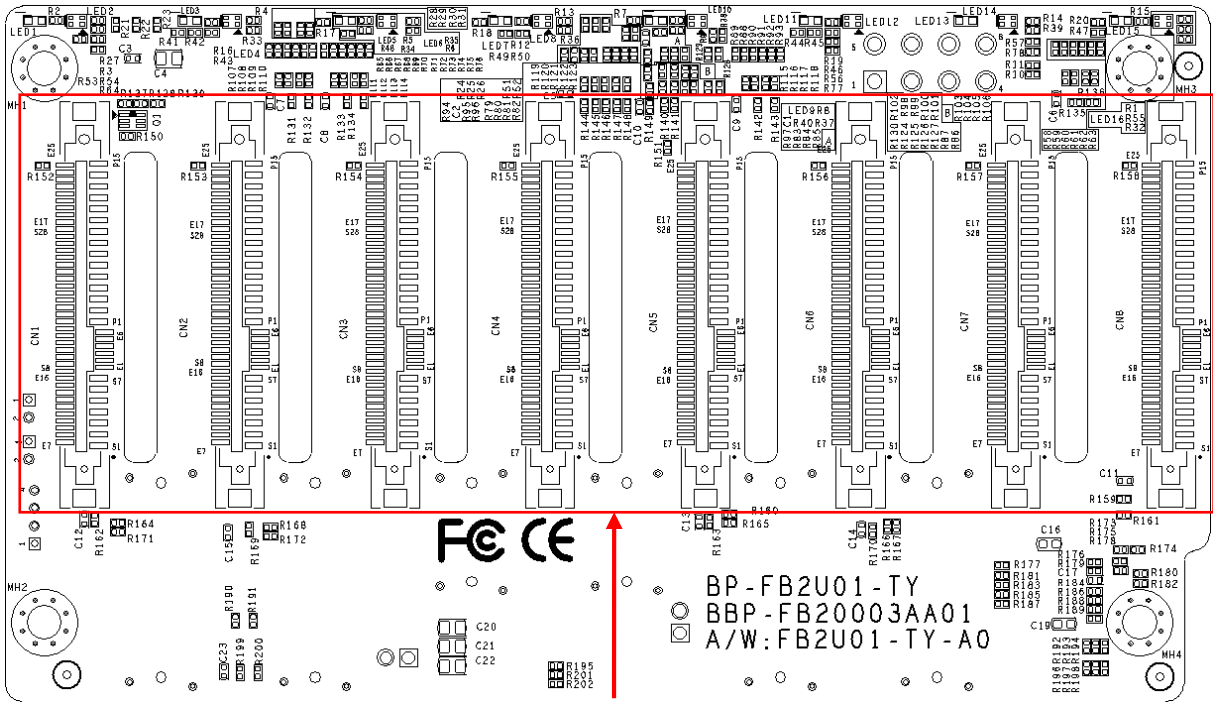
2x3 pin header



Fail LED-	1	2	Fail LED0-
4V3	3	4	GND
ACC LED0-	5	6	ACC LED0-

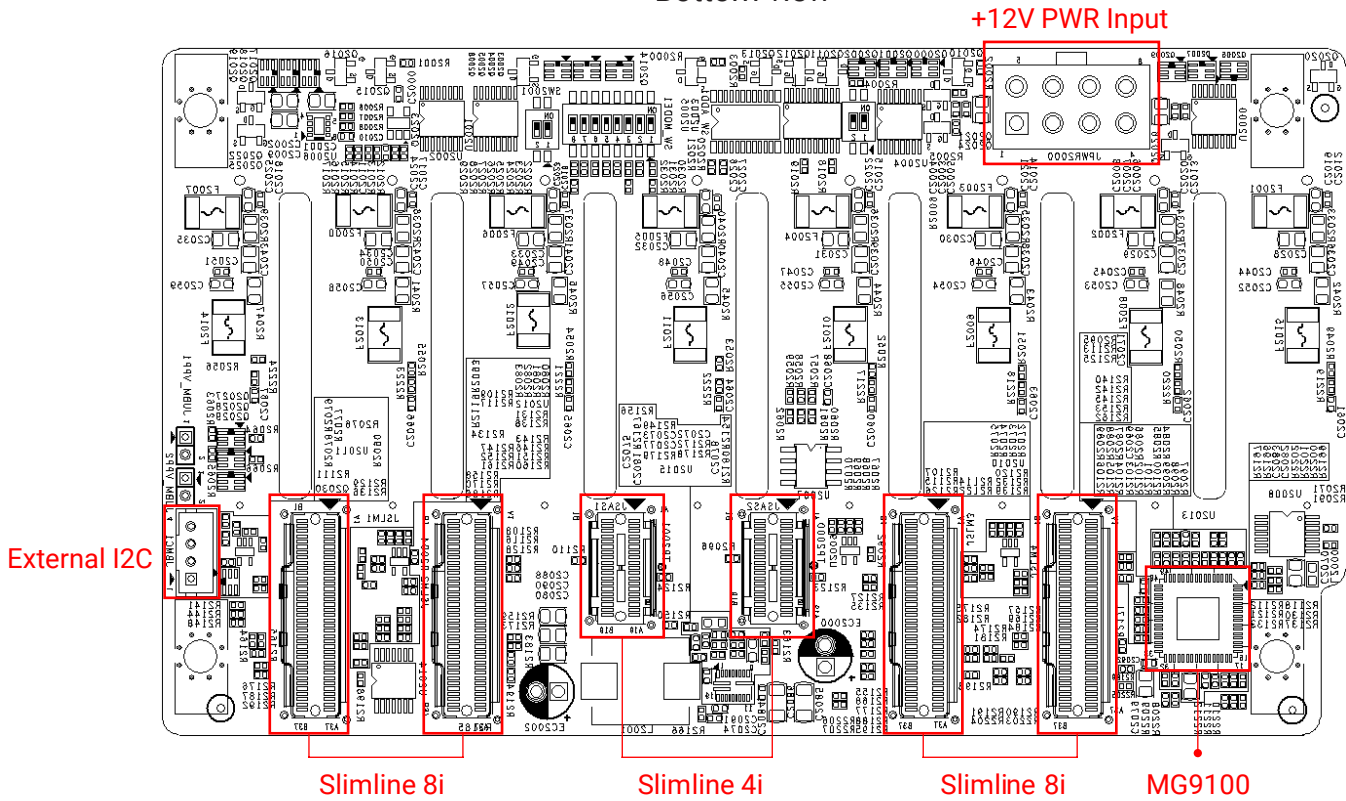
### 3.2.2 Option 2: 8 Bay

Top view



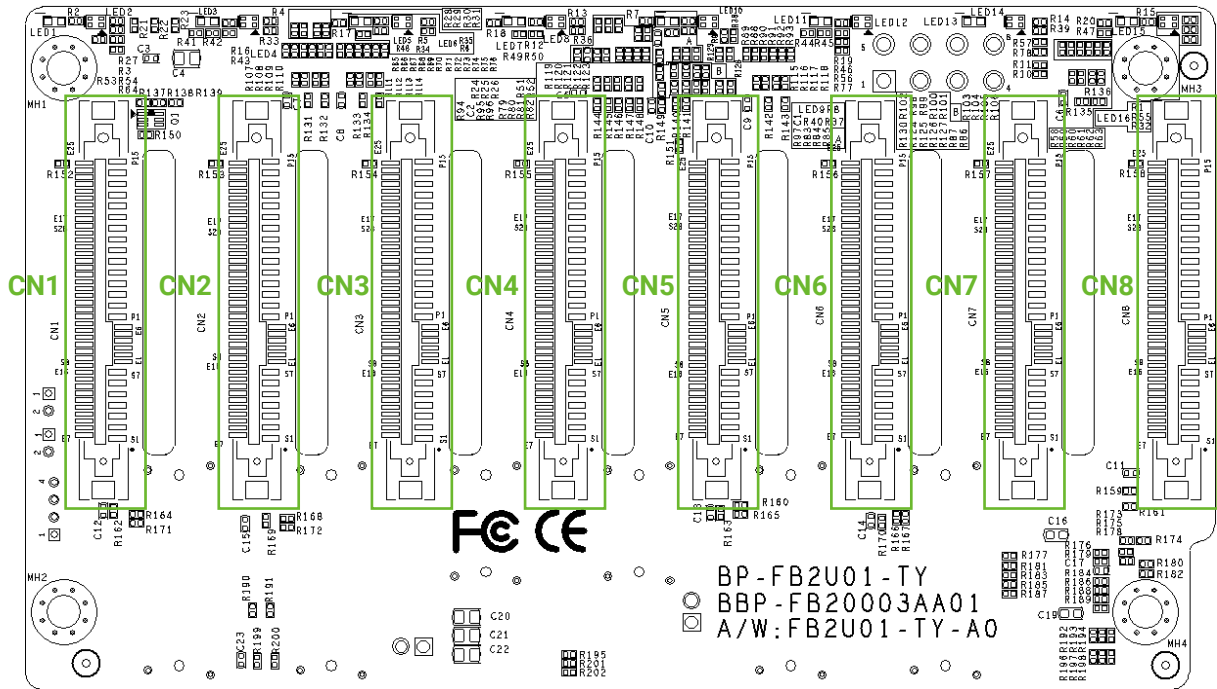
8BAY U.2/SAS Receptacle Connector

Bottom view

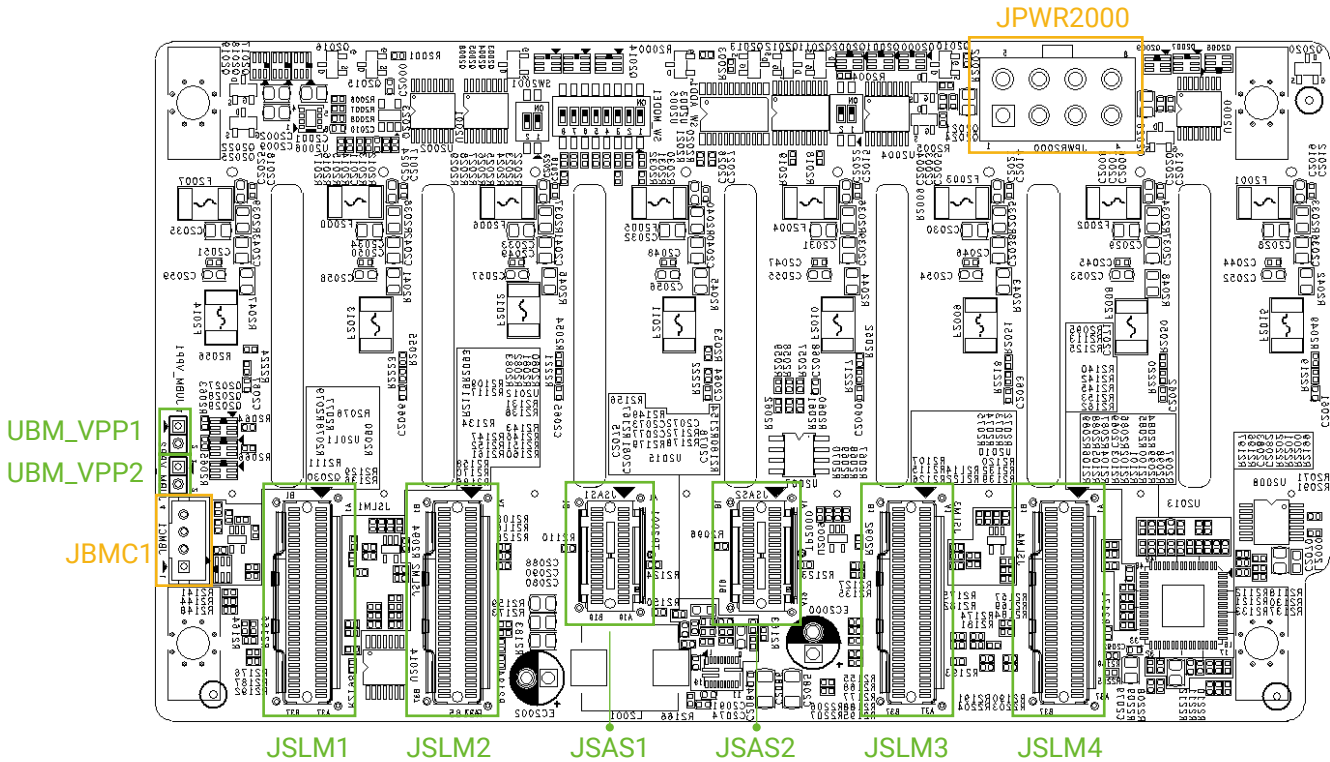


### 3.2.2.1 Connector

Top view

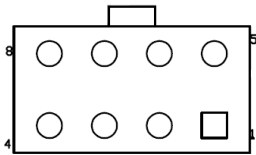


Bottom view



Power Supply (JPWR 2000)

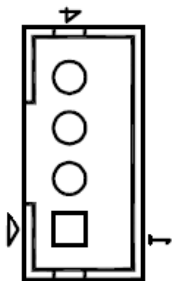
1x4 power connector, PH5.5 / +12V power in, 7A per pin



+12V	5	1	GND
+12V	6	2	GND
+12V	7	3	GND
+12V	8	4	GND

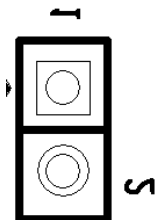
External I2C (JBMC1)

2x4 pin box header, PH2.0



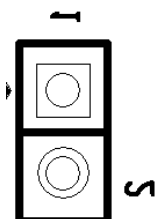
BP_BMC_SDA	3	1	SMB_ALARM_N
BP_BMC_SCL	4	2	GND

JUMB\_VPP1



Open	VPP Operation(default)
Short	UBM Operation

JUBM\_VPP2



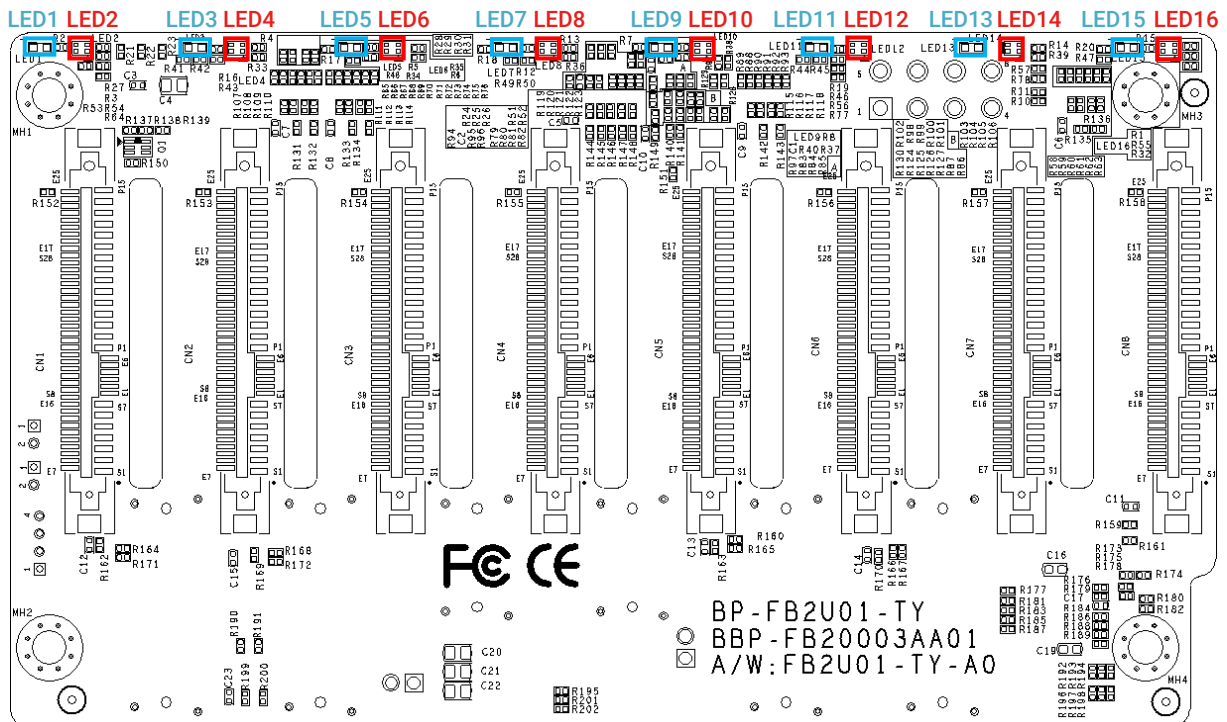
Open	VPP Operation(default)
Short	UBM Operation

- Device Mapping

JSLM1	CN1	NVMe HDD1
	CN2	NVMe HDD2
JSLM2	CN3	NVMe HDD3
	CN4	NVMe HDD4
JSLM3	CN5	NVMe HDD5
	CN6	NVMe HDD6
JSLM4	CN7	NVMe HDD7
	CN8	NVMe HDD8
JSAS1	CN1	SAS HDD1
	CN2	SAS HDD2
	CN3	SAS HDD3
	CN4	SAS HDD4
JSAS2	CN5	SAS HDD5
	CN6	SAS HDD6
	CN7	SAS HDD7
	CN8	SAS HDD8

### 3.2.2.2 LED Indicator

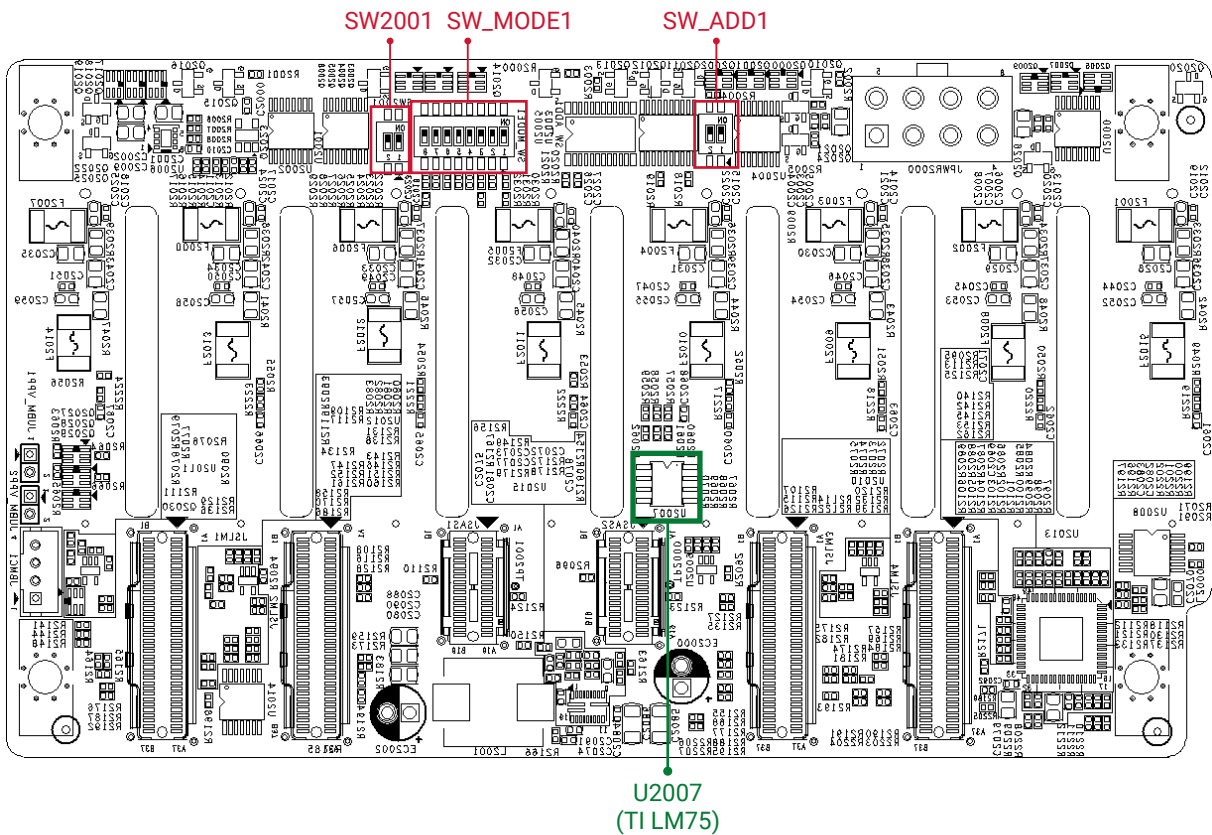
Top view



Indicator		Color	Behavior
HDD1-8 Activity LED	LED	Blue (On)	HDD present
	1		
	3	Blue (Blinking)	HDD activity is detected or External control.
	5		
	7		
	9	Off	HDD is not connected.
	11		
13			
15			
HDD1-8 Fail LED	LED	Yellow (On)	HDD Fault
	2		
	4	Yellow (Blinking)	HDD Rebuild
	6		
	8		
	10	Off	Normal
	12		
14			
16			
HDD1-8 Locate LED	LED	GEN (On)	HDD Locate
	2		
	4		
	6		
	8	Off	Normal
	10		
	12		
14			
16			

### 3.2.2.3 DIP-Switch

Bottom view



SW2001



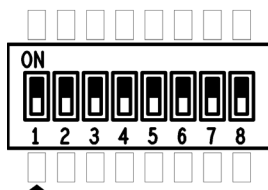
Pin1	Pin2	9100 BMC Address
off	off	0xC6h
on	off	0xC4h
off	on	0xC2h
on	on	0xC0h (Default)

SW\_ADD1



Pin1	Pin2	PCA9548 Address	LM75 Address
off	off	0xE6h	0x96h
on	off	0xE4h	0x94h
off	on	0xE2h	0x92h
on	on	0xE0h (Default)	0x90h (Default)

## SW\_MODE1

**SHP0 ID & SHP1 ID Configuration Settings for AMD Mode**

Pin1	Pin2	Pin3	SHP0 SMBUS Address	Pin4	Pin5	Pin6	SHP1 SMBUS Address
off	off	off	0x50h/0x52h (Default)	off	off	off	0x50h/0x52h (Default)
on	off	off	0x54h/0x56h	on	off	off	0x54h/0x56h
off	on	off	0x58h/0x5Ah	off	on	off	0x58h/0x5Ah
on	on	off	0x5Ch/0x5Eh	on	on	off	0x5Ch/0x5Eh
off	off	on	0x60h/0x62h	off	off	on	0x60h/0x62h
on	off	on	0x64h/0x66h	on	off	on	0x64h/0x66h
off	on	on	0x68h/0x6Ah	off	on	on	0x68h/0x6Ah
on	on	on	0x6Ch/0x6Eh	on	on	on	0x6Ch/0x6Eh

**VPP ID & VPP1 ID Configuration Settings for INTEL Mode**

Pin1	Pin2	VPP0 SMBUS Address	Pin3	Pin4	VPP1 SMBUS Address
off	off	0x40h/0x42h (Default)	off	off	0x40h/0x42h (Default)
on	off	0x44h/0x46h	on	off	0x44h/0x46h
off	on	0x48h/0x4Ah	off	on	0x48h/0x4Ah
on	on	0x4Ch/0x4Eh	on	on	0x4Ch/0x4Eh

**Vendor ID Configuration Settings**

Pin7	Pin8	Vendor
off	off	UMB Only
on	off	AVAGO
off	on	AMD
on	on	INTEL (Default)

### 3.2.2.4 Application Setting

#### INTEL-VPP Mode

JUBM_VPP1	JUBM_VPP2	SW_MODE1							
[1:2]	[1:2]	1	2	3	4	5	6	7	8
Open	Open	OFF	OFF	OFF	OFF	ON	ON	ON	ON

#### UBM Only Mode

JUBM_VPP1	JUBM_VPP2	SW_MODE1							
[1:2]	[1:2]	1	2	3	4	5	6	7	8
Short	Short	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF

#### AMD-SHP Mode

JUBM_VPP1	JUBM_VPP2	SW_MODE1							
[1:2]	[1:2]	1	2	3	4	5	6	7	8
Open	Open	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON

#### AVAGO-UBM Mode

JUBM_VPP1	JUBM_VPP2	SW_MODE1							
[1:2]	[1:2]	1	2	3	4	5	6	7	8
Short	Short	OFF	OFF	OFF	OFF	ON	ON	ON	OFF

# Chapter 4. Technical Support



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