

2U4-BAY series server chassis product manual v1.0

CONTENTS

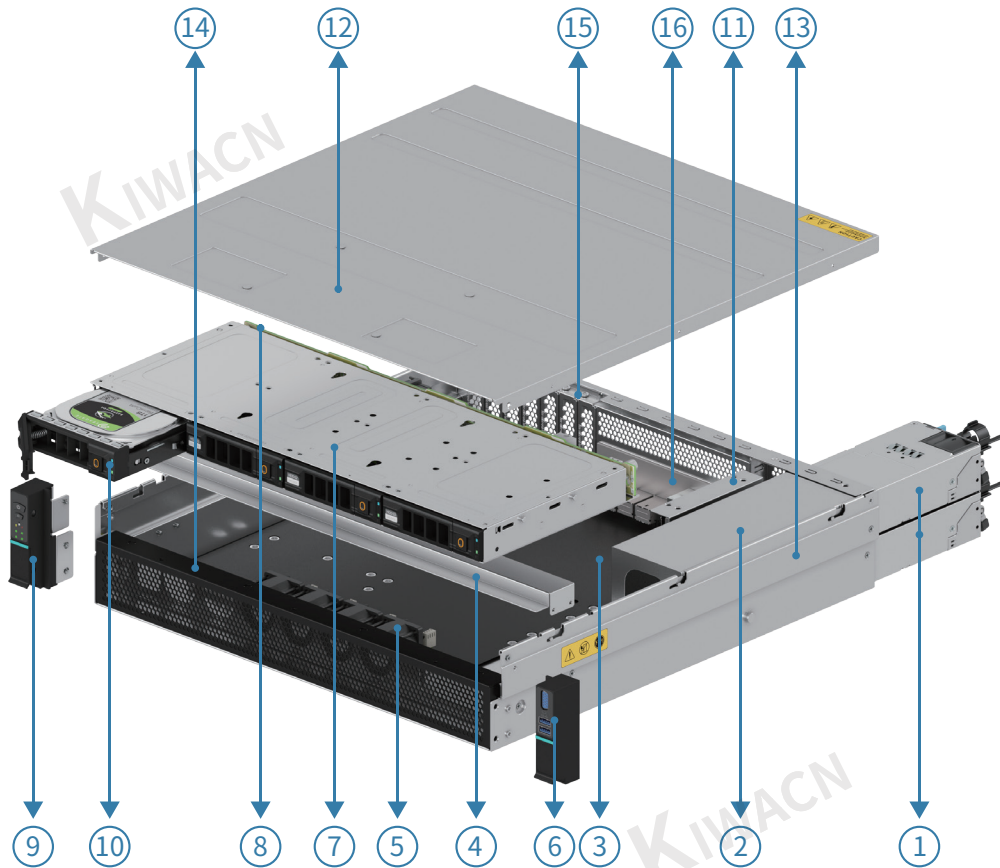
Chapter 1: Product Introduction.....	02
1.1 Product features.....	02
1.2 Chassis Structure.....	03
1.3 Description of Front Panel and Hard Drive Bay	04
1.3.1 Front Panel and Indicator Lights	04
1.3.2 Hard Drive Installation and Hard Drive Tray Indicator Light Instructions	05
1.4 Hard Drive Backplane.....	06
1.4.1 4-Bay 12GB Direct Attached Backplane.....	06
1.4.2 4-Bay 6GB Direct Attached Backplane.....	07
Chapter 2: Product Appearance.....	08
2.1 Chassis Structure.....	08
2.1.1 Server Chassis Images.....	08
2.1.2 Server Dimensions.....	09
Chapter 3: Product Loading.....	10
3.1 Product Packaging.....	10
Chapter 4: Product and Rail Installation	11
4.1 Install inner rails on both sides of the chassis	11
4.2 The chassis is mounted into the rack.....	11
Chapter 5: Accessory Name and Part Number	12
5.1 Accessories and Material Numbers	12
5.2 Optional Accessories List.....	13

Chapter 1: Product Introduction

1.1 Product Features

Product Code	K22034	K22035
Chassis category	2U Rack mount	
Material	SGCC1.2mm(Taiwan)	
MB Form Factor	Extended ATX (12"x 13")	
Dimensions (D*W*H)	450 * 435 * 88.1(mm) 17.72x 17.12"x 3.47 "	
Drive Bays	3.5"Hot-swap: 4 ; Internal 2.5": 2 2.5"Hot-swap (Option): 2	
PSU Form Factor	2U Single or 1+1 Redundant	
Indicators	1 * Power Status , 2 * LAN Activity, 1 * UID Status , 1 * HDD Status, 1 Warning Status	
Front Control	1 * Power On/Off , 1 * System Reset, 1 * UID 2 * USB 2.0 , USB3.0 + VGA	
Safety Device	Intrusion Switch (Option)	
Cooling Fans	Middle : 4 x 40mm (T=28mm) , PWM , 15000RPM(Option)	
Expansion Slots	Length or 7 x Low Profile	
Riser card module	NO	
HDD Backplane	1x 4 port 6b/s SAS backplane 4-port three models(Option),	1 x 4 port 12Gb/s SAS backplane 4-port three models(Option),
Rack rails	P/N:0304100006(Option)	
Net Weight		
Gross Weight		
Package size(D*W*H)		

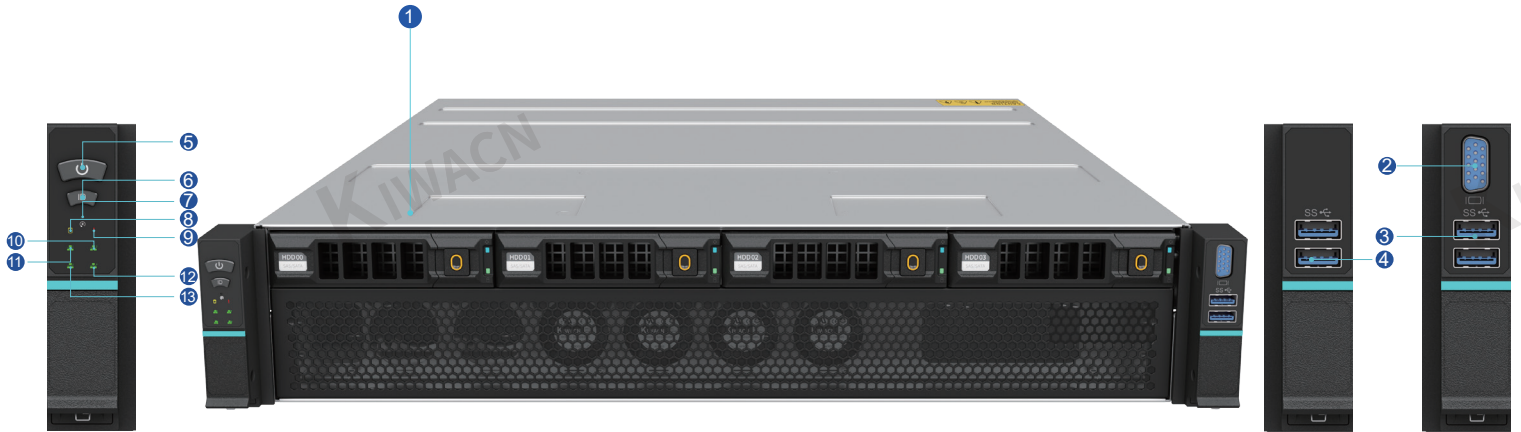
1.2 Chassis Structure



- | | |
|---|---|
| 1. Power Supply(Optional) | 10. 3.5-inch Hard Drive Tray
(Supports 2.5-inch Hard Drives) |
| 2. Power Supply Bracket | 11. Internal 2.5-inch Hard Drive
Mounting Bracket |
| 3. Motherboard Gasket | 12. Cover |
| 4. Fan Wall | 13. Chassis Base |
| 5. Cooling fans | 14. Front Panel |
| 6. Right Bracket Assembly(M:Aluminum Alloy) | 15. Standard 7 PCIe Expansion Slots |
| 7. 1u4 Hard Drive Cage Assembly | 16. I/O Shield |
| 8. 1u4 HDD backplane | |
| 9. Left Bracket Assembly(M:Aluminum Alloy) | |

1.3 Description of Front Panel and Hard Drive Bay

1.3.1 Front Panel and Indicator Lights:



Hard Drive Installation Diagram			
HD00	HD01	HD02	HD03
HD04	HD05	HD06	HD07

- 1. Server Information Label
- 2. Expand VGA Port
- 3. USB 3.0 x 2
- 4. USB 2.0 x 2
- 5. Power Button + Power Indicator Light
- 6. UID Button + Indicator Light
- 7. Reset Button
- 8. HDD Indicator Light
- 9. Fault Indicator Light
- 10. Ethernet Port 1 Indicator Light
- 11. Ethernet Port 2 Indicator Light

Control Panel Buttons and Interface Description:

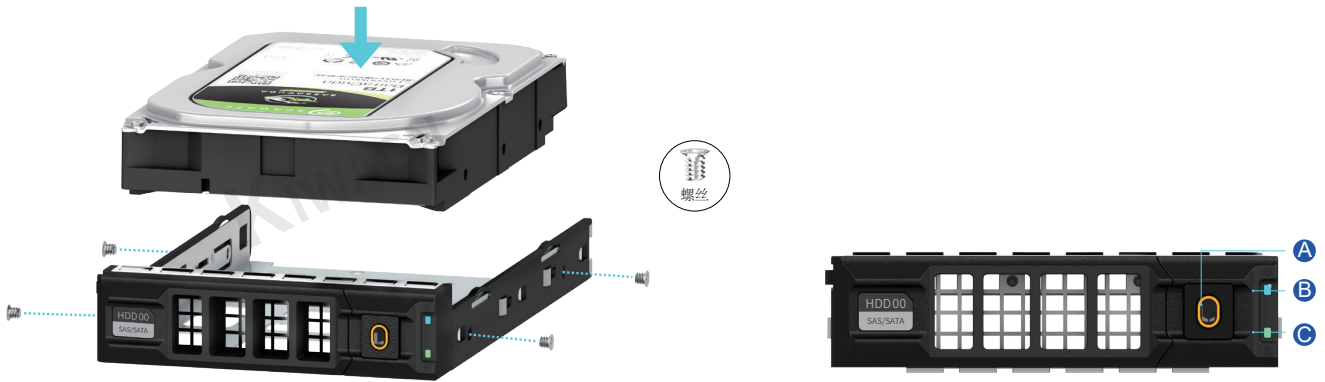
Power Button	Power button, press once to power on when the system is powered; In the powered-on state, press and hold for 5 seconds to shut down the system.
Reset Button	In the powered-on state, press once to restart the device.
UID Button	In the powered-on state, press once to illuminate the indicator light.

Control Panel Indicator Light Explanation:

Name	Color	Status	Description
Power Light	Blue	On	The server is in the powered-on state.
UID Light	Blue	On	The server is in the located state.
Fault Indicator Light	Red	On	The server is experiencing a malfunction.
Network 1 Indicator Light	Green	On	The network connection is normal.
Network 2 Indicator Light	Green	On	The network connection is normal.
HDD Indicator Light	Yellow	On	The hard drive is in operational status.

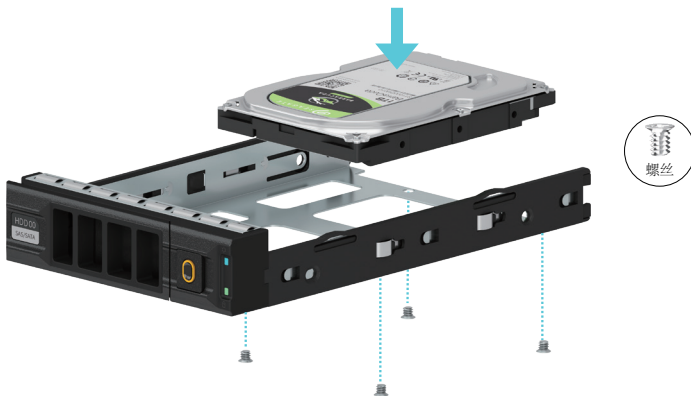
1.3.2 Hard Drive Installation and Hard Drive Tray Indicator Light Instructions:

3.5-inch Hard Drive Installation Guide:



- A. Power On Button
- B. Power Indicator Light
- C. Status Indicator Light

2.5-inch Hard Drive Installation Guide:

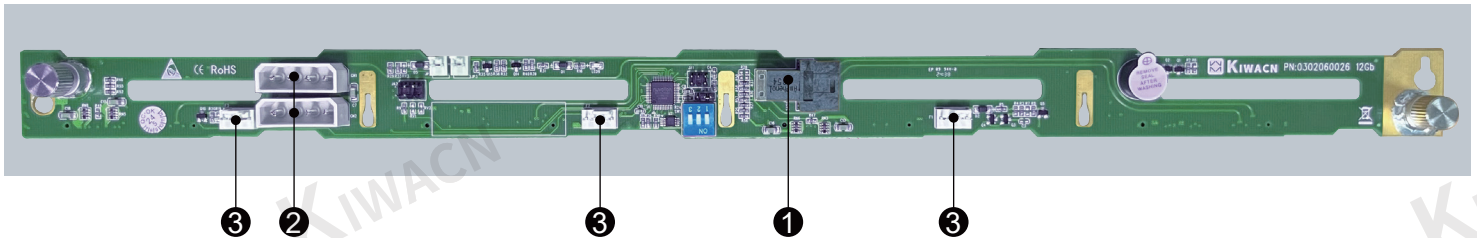


Hard Drive Tray Indicator Light Instructions	
B	Blue: Hard Drive Powered On Solid Green: Hard Drive in Position
C	Flashing Green: Hard Drive Activity Solid/Flashing Red: Hard Drive Failure

1.4 Hard Drive Backplane

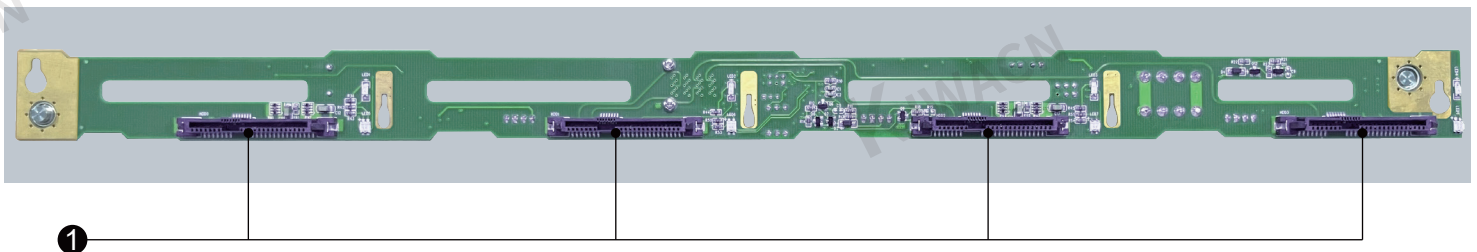
1.4.1 4-Bay 12GB Direct Attached Backplane P/N:0302060026

TOP plane:



No.	Device Description	Functional Description	Position
1	8SFF 8643 interface	Backplane disk signal interface	SAS1
2	4Pin interface	Backplane power transmission connector, used for 12V power transmission. <i>(Pay attention to the direction of the interface)</i>	CN1、CN2
3	fan interface	For 4pin fan interface	F1、F2、F3

BOTTOM plane:



No.	Device Description	Functional Description	Position
1	SAS/SATA Hard disk connector	1. Supports up to 6G/b SATA hard disks; 2. Supports hot-swap of SAS/SATA hard disks	HDD0、HDD1、HDD2、HDD3

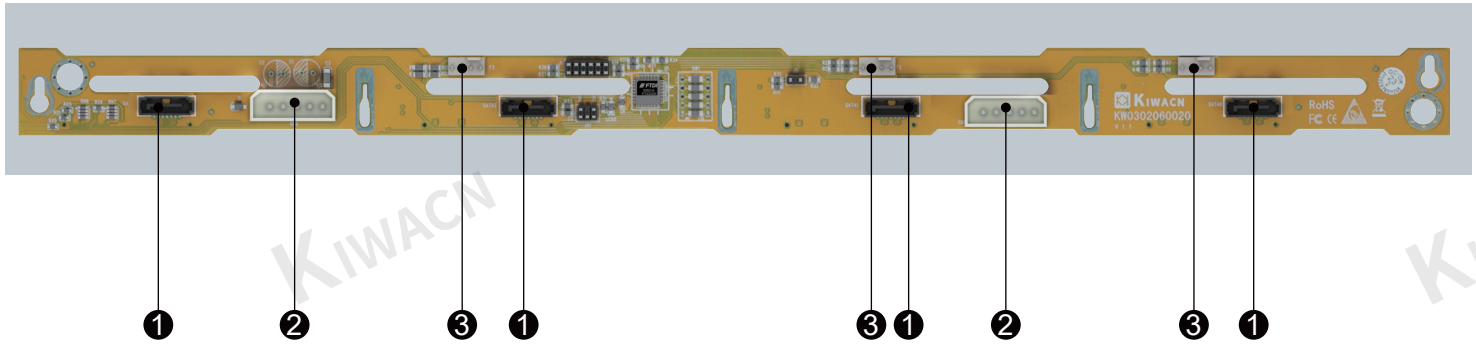
Set SW1 on the back panel to: 1.2.3. to ON.



NO1	NO2	FAN NO.
OFF	OFF	OFF
ON	OFF	FAN#1
OFF	ON	FAN#1&2
ON	ON	FAN#1&2&3
NO3	ON	OFF
BUZZER	EN	DIS

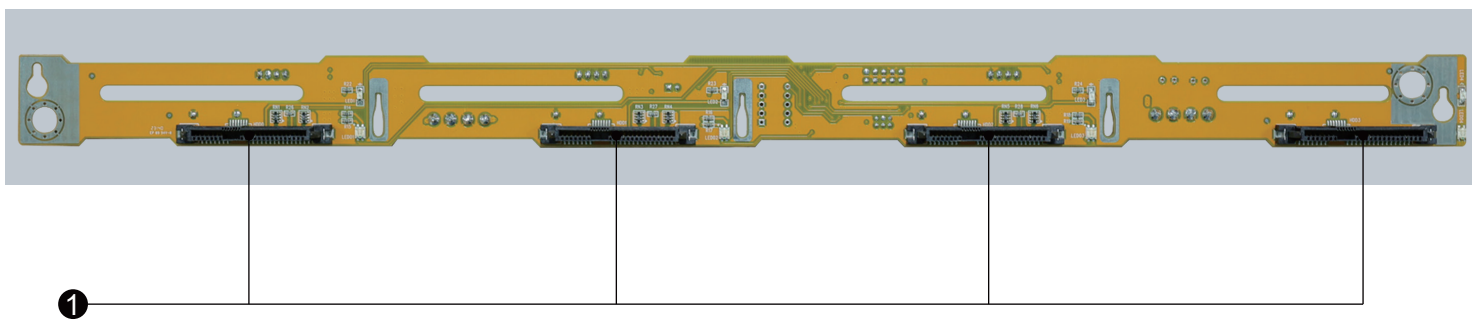
1.4.2 4-Bay 6GB Direct Attached Backplane P/N:03020060020

TOP plane:



No.	Device Description	Functional Description	Position
1	SATA interface	Support SAS/SATA hard disk hot swap	SATA0, SATA1, SATA2, SATA3
2	4P power supply interface	Backplane power transmission connector, used for 12V power transmission. <i>(Note the direction of the interface)</i>	CN1, CN2
3	fans interface	For pin fan interface	F1, F2, F3

BOTTOM plane:

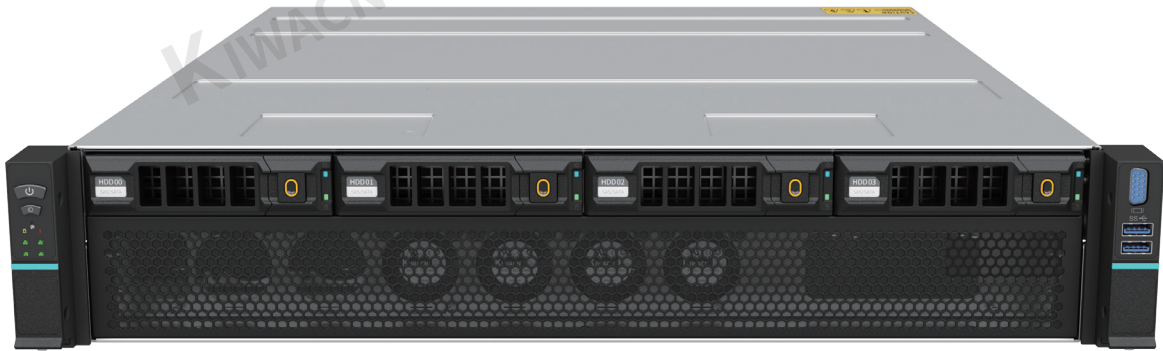


No.	Device Description	Functional Description	Position
1	SAS/SATA Hard disk connector	1. Supports up to 6G/b SATA hard disks; 2. Supports hot-swap SAS/SATA hard disks.	HD000, HD001, HD002, HD003

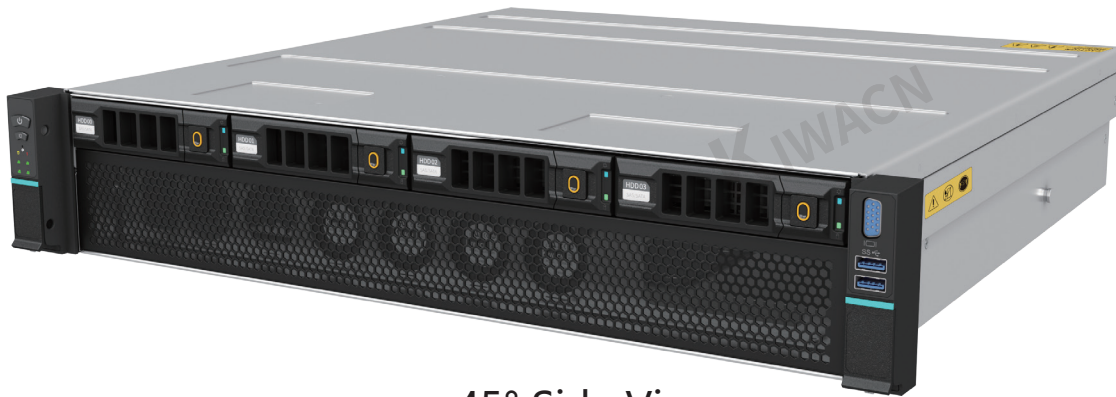
Chapter 2: Product Appearance

2.1 Chassis Structure

2.1.1 Server Chassis Images



Front View



45° Side View

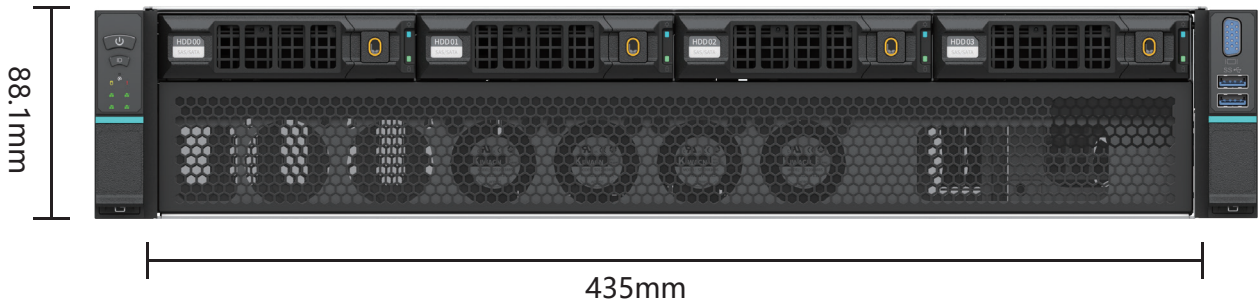


45° Rear View

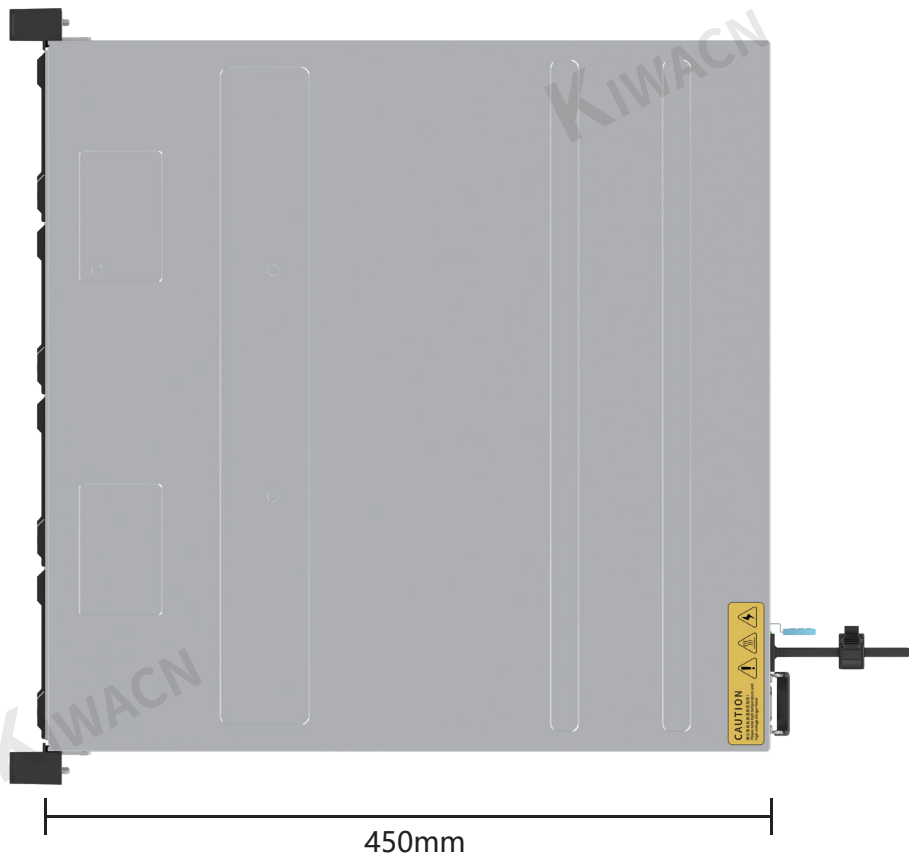


45° Rear View

2.1.2 Server Dimensions



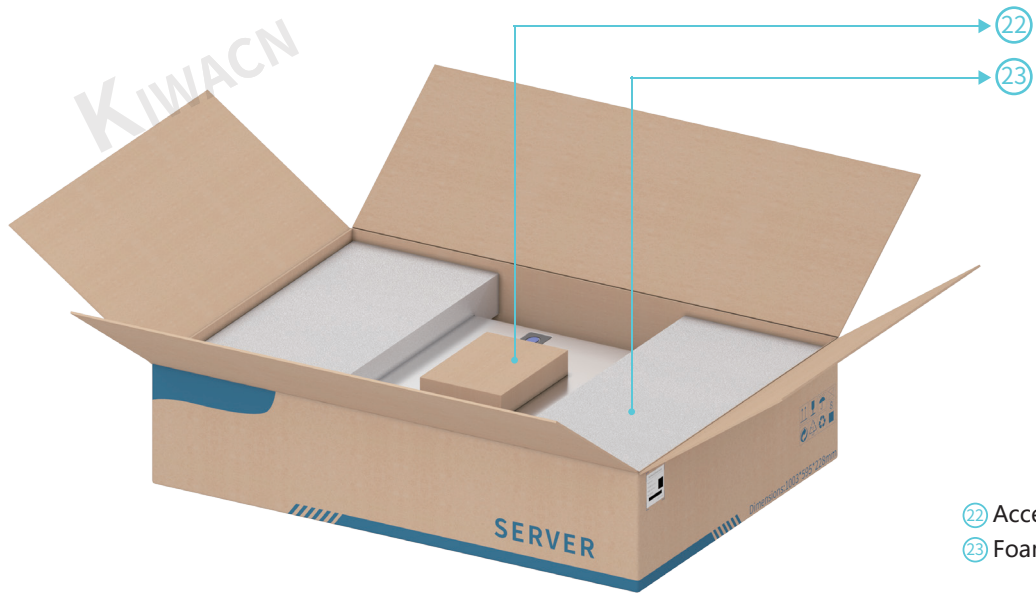
Front View (Dimensions)



Top View (Dimensions)

Chapter 3 Product Loading

3.1 Product Packaging



Place it into the suitcase

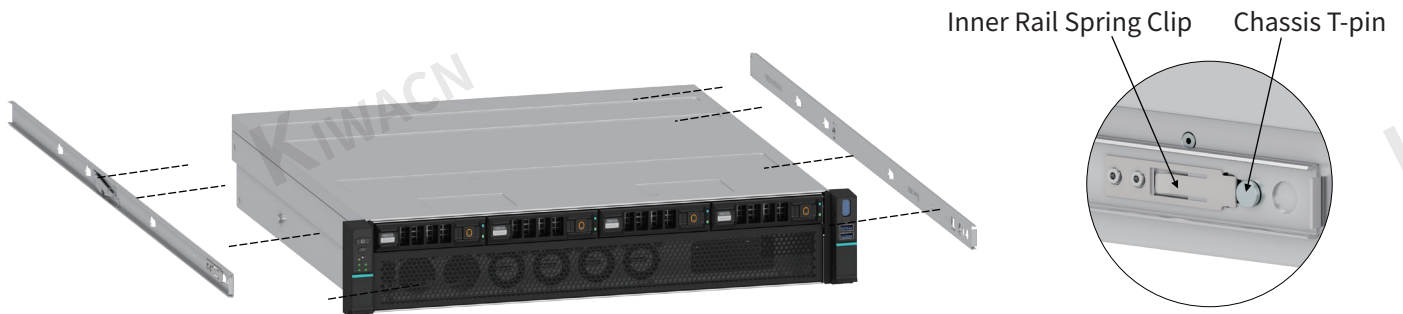


Seal the suitcase

Chapter 4 Product and Rail Installation

4.1 Install inner rails on both sides of the chassis

4.1.1 Securely attach the inner rail to the side wall of the chassis, and ensure that the inner rail's latch engages with the chassis T-pin.

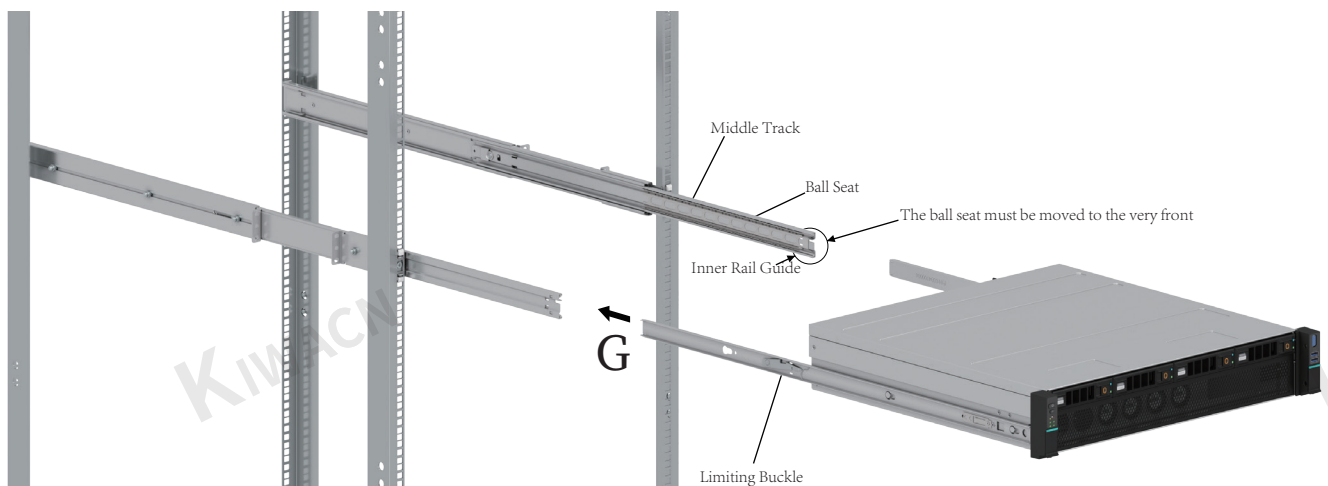


The inner rail spring clip engages with the chassis T-pin.

4.2 The chassis is mounted into the rack

(Note: Depending on the weight of the chassis, this step requires the cooperation of 2 to 4 people.)


- 5.2.1 First, move the ball seat to the front end of the middle track. Then, along the G direction, horizontally insert the inner rail of the chassis into the ball seat.
- 5.2.2 When installing the rails, ensure that both sides of the server are kept level, and insert the inner rails simultaneously in a horizontal direction.
- 5.2.3 Ensure that the inner rails have entered the guides and ball seats before proceeding to push them into the chassis.
- 5.2.4 Only release the chassis after confirming that the inner rails have entered at least half of the ball seats.
- 5.2.5 There is a limiting buckle on the inner rail. When pushing it into the second section, you need to flip this buckle to enter the third section for complete closure.
- 5.2.5 If you find that the inner rails have not entered the ball seats, please repeat the above steps. If necessary, you can use your hand to assist the inner rails into the ball seats.
- 5.2.6 Unlock both levers on the sides, then push the chassis to fully close it. Perform at least one complete open and close cycle of the chassis to ensure the slides are correctly installed.






Note: Please make sure to insert horizontally in this direction. Otherwise, it may damage the ball seats and cause the slides to not function properly.

Chapter 5 Accessory Name and Part Number

5.1 Accessories and Material Numbers(Parts Box P/N:0201070009)

No.	Part No.	Name	Photograph	Quantity
01	P/N: 0305010001	2.5-inch hard drive screws (Compatible with 3.5-inch hard drive bay)		56
02	P/N:0305010031	3.5inch hard drive screws		48
03	P/N:0305010124	2.5-inch Hard drive retaining screws		4
04	P/N:0305070003	Motherboard heightening column (Motherboard thickness1.6mm)		12
05	P/N:0305010203	Motherboard screws		12
06	P/N:0202110015	2.5Hard drive holder (2U8)		2
07	P/N:0305010125	Fixed single power/ATX		3
08	P/N:0305010025	Fixed redundancy		8
09	P/N:04.02.0009	hard drive sticker (00-11)		1

5.2 Optional Accessories List

No.	Part No.	Name	Photograph
01	P/N:0304100006	Slide Rail	
02	P/N:0201030001	Bracket Assembly	
03	P/N:0304090001	cable	
04	P/N:0201120006	2.5 module	