

# 2U Server Chassis - Internal Hard Drive Product Manual V1.0

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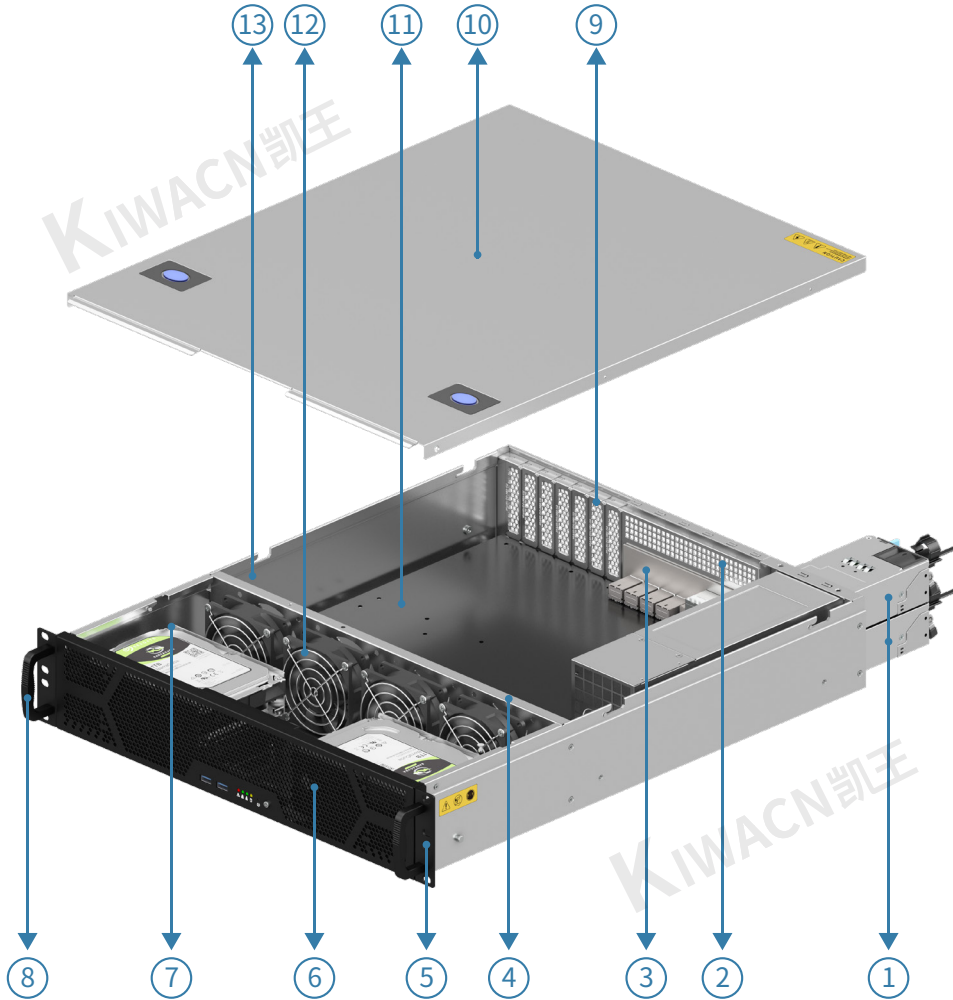
# Chapter 1: Product Introduction

## 1.1 Product Features

Product Code	K12001	K12003
Chassis category	2U Rack mount	
Material	1.2mm SGCC	
MB Form Factor	Extended ATX (12"x 13")	
Dimensions (D*W*H)	550 * 435 * 88.1(mm) 21.65"x 17.12"x 3.47 "	
Drive Bays	Internal 3.5" : 4 Internal 3.5" : 2 + 2.5" : 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(Optional)	
Safety Device	No	
Cooling Fans	Middle : 3 x 80mm (T=25mm) , PWM , 4500RPM	Middle : 2 x 80mm (T=38mm) , PWM , 7500RPM Middle : 1 x 80mm (T=25mm) , PWM , 4500RPM
Expansion Slots	Length or 7 x Low Profile	Supports 2nd PCIE, 3X Full Height
Riser card module	No	riser card 3.0 16x(Optional) riser card 4.0 16x(Optional)
HDD Backplane	No	
Rack rails	P/N:0304100005(Optional)	
Net Weight	??kg	
Gross Weight	??kg	
Package size(D*W*H)	??mm	

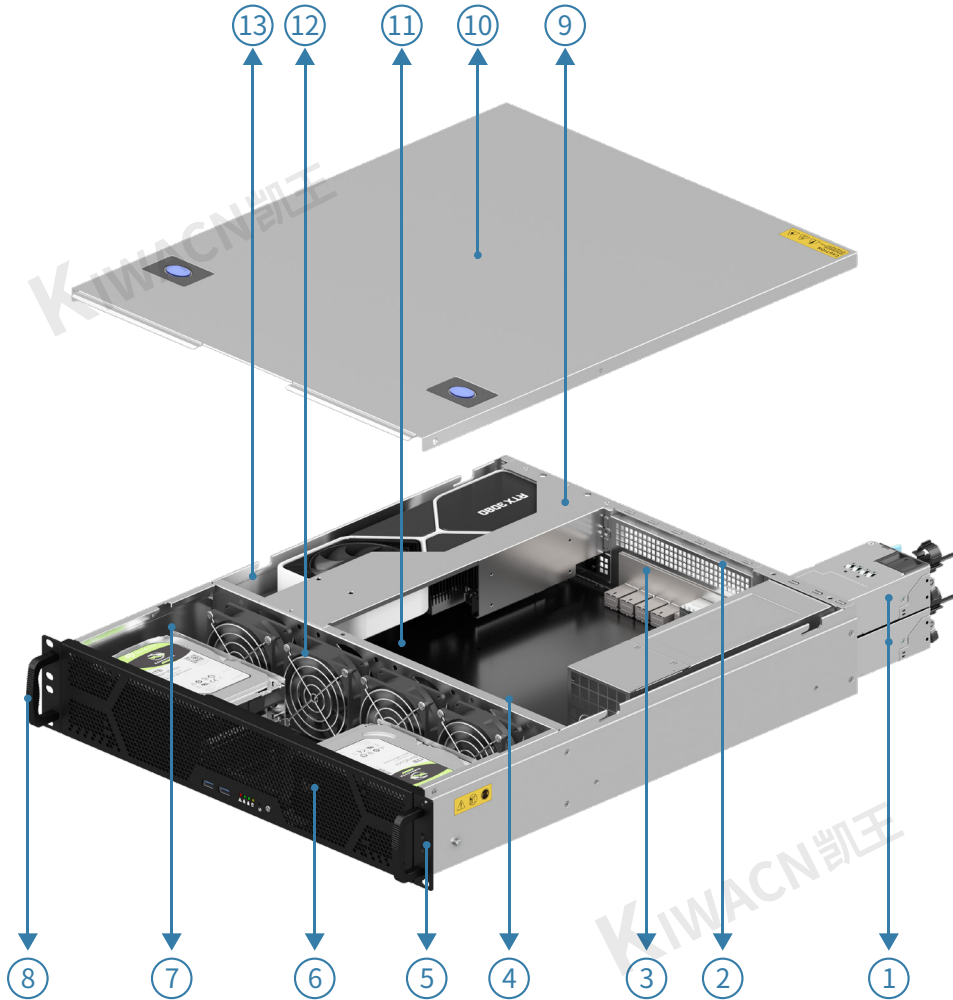
## 1.1 Chassis Structure

k12001:



- |                            |                                    |
|----------------------------|------------------------------------|
| 1. Power Supply            | 8. Left Bracket Assembly           |
| 2. Rear Window Assembly    | 9. Standard 7 PCIe Expansion Slots |
| 3. I/O shield              | 10. Cover                          |
| 4. Fan Wall                | 11. Gasket                         |
| 5. Right Bracket Assembly  | 12. Cooling fans                   |
| 6. Front Panel             | 13. Chassis Base                   |
| 7. 3.5 inch hard disk rack |                                    |

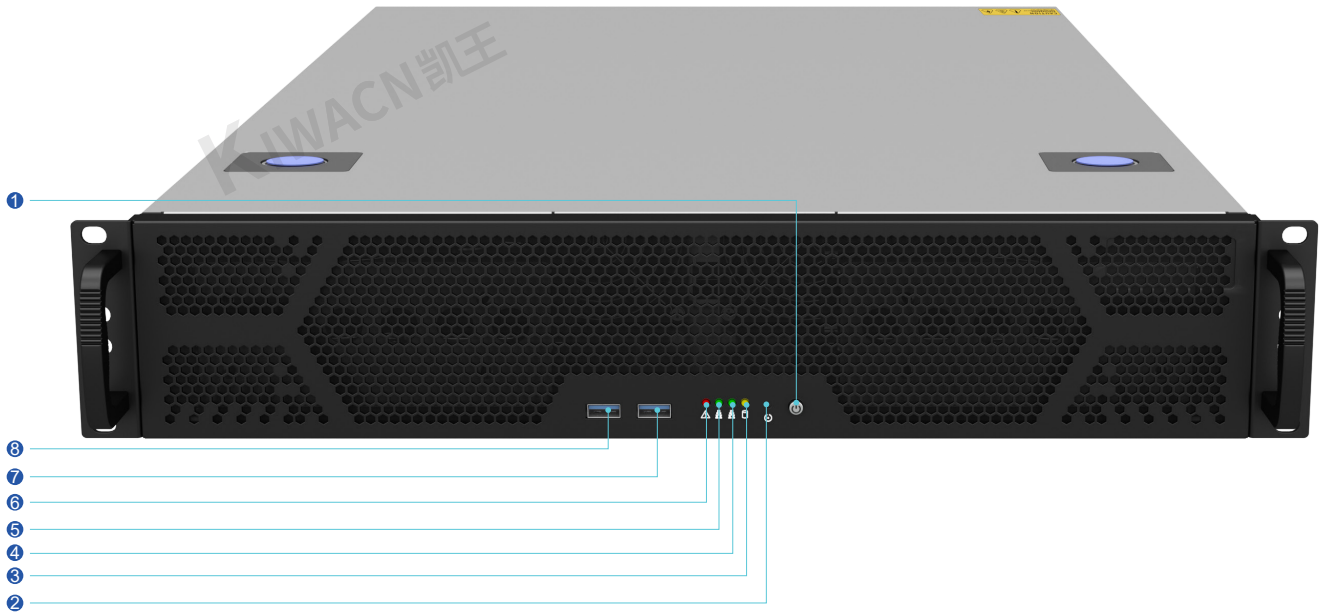
k12002:



- |                            |   |
|----------------------------|---|
| 1. Power Supply            | 8. Left Bracket Assembly                |
| 2. Rear Window Assembly    | 9. Second lateral installation position |
| 3. I/O shield              | 10. Cover                               |
| 4. Fan Wall                | 11. Gasket                              |
| 5. Right Bracket Assembly  | 12. Cooling fans                        |
| 6. Front Panel             | 13. Chassis Base                        |
| 7. 3.5 inch hard disk rack |   |

## 1.2 Description of Front Panel

### 1.2.1 Front Panel and Indicator Lights:



- 1. Power Button + Power Indicator Light      2. Reset Button      3. HDD Indicator Light
- 4. Network 1 Indicator Light      5. Network 2 Indicator Light      6. Fault Indicator Light
- 7. USB interface      8. USB interface

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.

## Chapter 2: Product Appearance

### 2.1 Chassis Structure

#### 2.1.1 Server Chassis Images



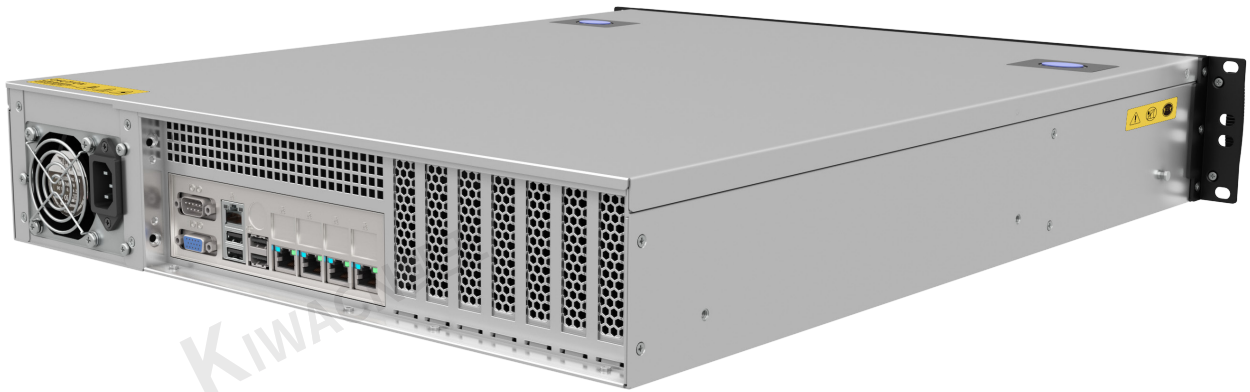
Front View



45° Side View



45° Rear View(7PCIE 1+1Redundant)



45° Rear View(7PCIe 2u Single)



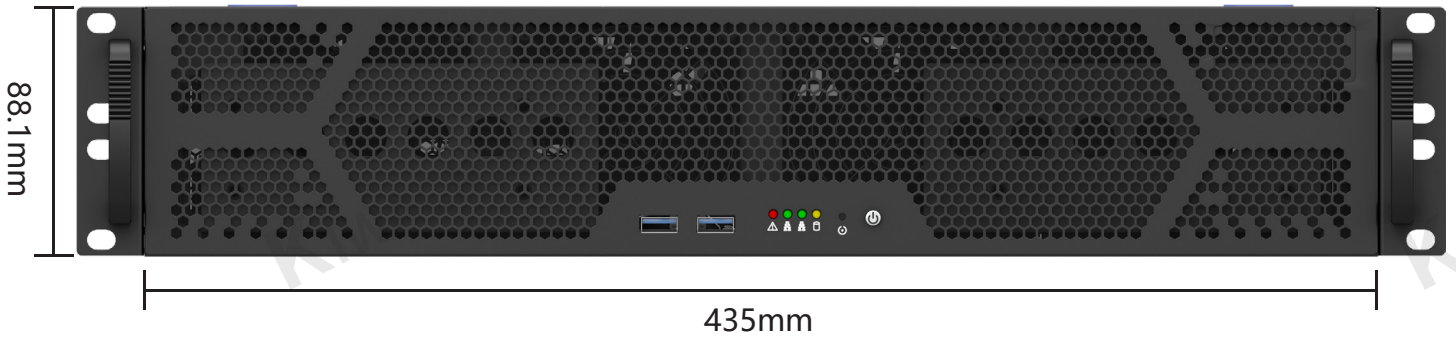
45° Rear View(2<sup>nd</sup> slot horizontal rotation 1+1Redundant)



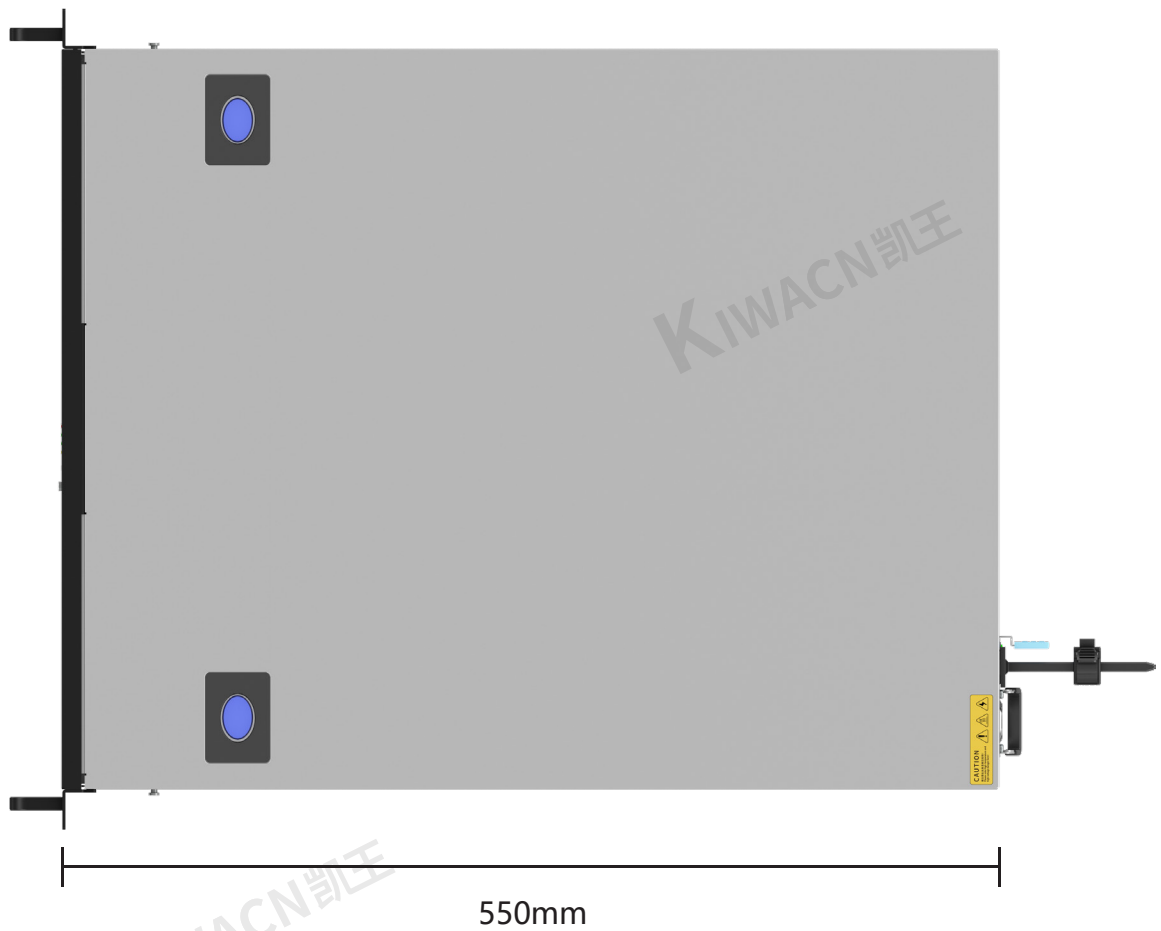
45° Rear View(2<sup>nd</sup> slot horizontal rotation 2u Single)



### 2.1.2 Server Dimensions



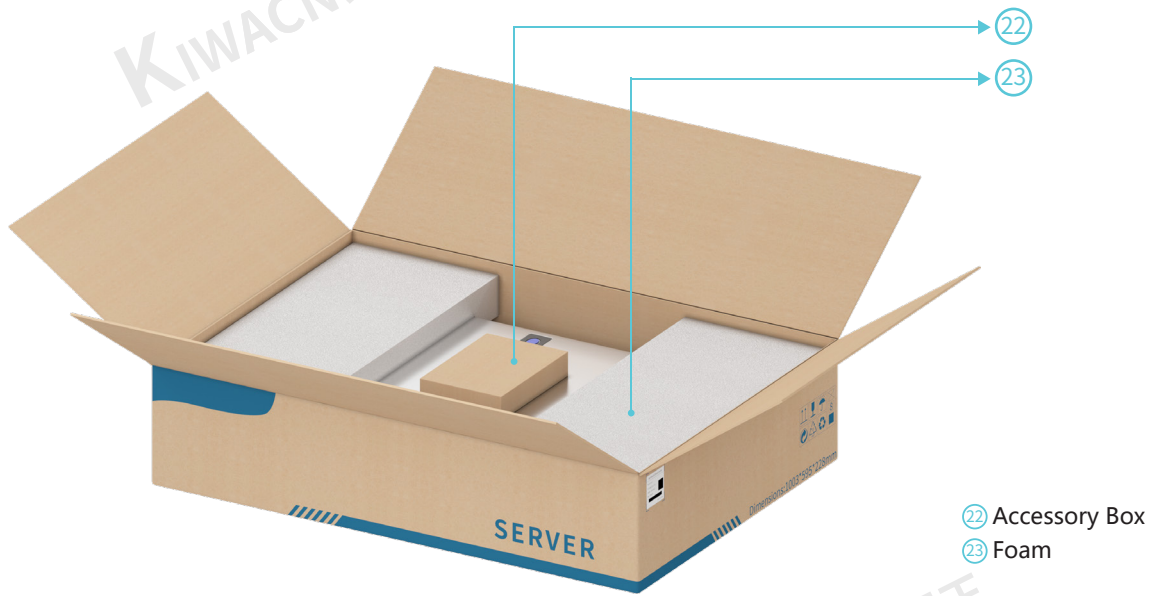
Front View (Dimensions)



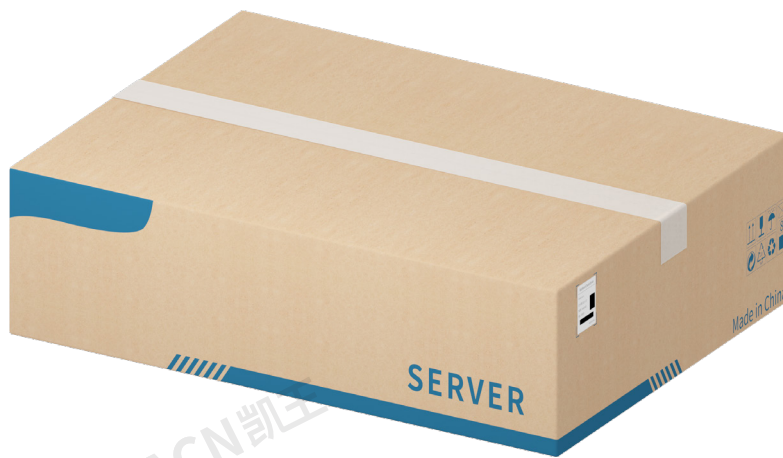
Top View (Dimensions)

## Chapter 3 Product Loading

### 3.1 Product Packaging




Place it into the suitcase




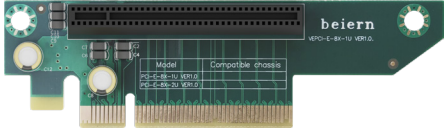


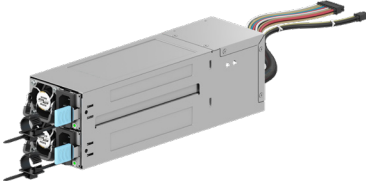
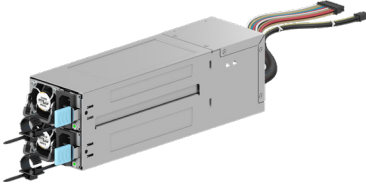
Seal the suitcase

## Chapter 4 Accessory Name and Part Number

### 4.1 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

## 4.2 Optional Accessories List

No.	Part No.	Name	Photograph
01	P/N:0304100005	Slide Rail	
02	P/N:0302050001	1u/riser卡 (PCIE3.0 8x TO PCIE 3.0 8x)	
03	P/N:0302050009	2u/riser卡 (PCIE 4.0 16x TO PCIE 4.0 16x)	
04	P/N:0302050003	2u/riser卡 (PCIE3.0 16X TO PCIE3.016X)	
05	P/N:0304010015	The Great Wall 1+1Redundant(800w)	
06	P/N:0304010017	The Great Wall 1+1Redundant(550w)	
07	P/N:0304010009	2u600w Single	