



TOPLOONG

SHENZHEN TOPLOONG TECHNOLOGY CO.,LTD.



SHENZHEN, CHINA



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www.toploong.com



Contons

01 Company Profile

- Company Profile
- Organization Structure
- Equipment introduction
- Customized process
- Domestic and foreign exhibitions
- Honor
- development path
- R & D team
- solution

**Source
factory**

**Strong
research and
development
strength**

**Fully
equipped**

OEM/ODM

Shenzhen Toploong Technology Co., Ltd. was established in 2010, The company is located in the beautiful Guanlan Town of Shenzhen, adjacent to the largest Guanlan Golf Course in Asia, with convenient transportation. The factory covers an area of more than 10,000 square meters, with a construction area of more than 20,000 square meters and a registered capital of 13.5 million yuan. The company has won the title of National High-tech Enterprise and Specialized Special New Enterprise in Guangdong Province. The company is committed to the research and development and production of various storage server chassis, AI GPU server chassis, industrial automation control chassis, network security chassis, non-standard chassis cabinets, etc., various distributed storage servers, portable computers, embedded platforms, etc., Support ing various Production and sales of standard industrial server power supplies, radiators, server peripheral accessories, etc. The company has a senior R&D team, a professional management team, skilled production workers, advanced production equipment, testing and experimental equipment, and an excellent corporate culture that has been accumulated for more than 20 years, so that we can better serve the needs of customers in various industries. Advanced technological innovation is the footsteps of Toplong people. The company has obtained 2 invention patents, 44 utility model patents, 22 design patents, and 8 software copyrights, providing perfect product solutions for many well-known domestic and foreign companies.





National high-tech enterprise certificate



Specialized special new enterprise certificate



ISO9001:2015 Quality Management System Certification



ISO14001:2015 Environmental Management System Certification



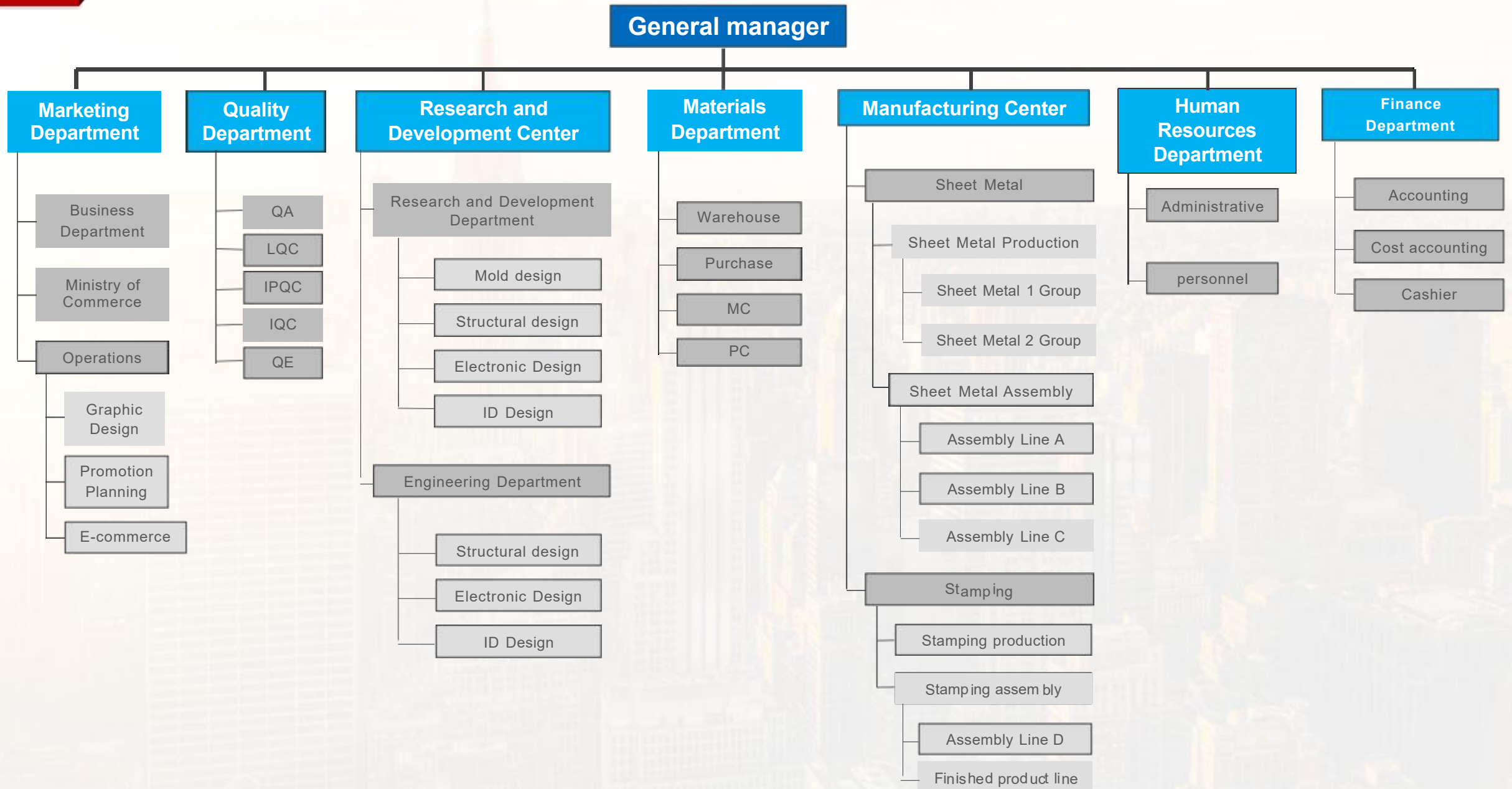
3C certification



CE certification

- ◆ 50 Utility model patents
- ◆ 34 appearance patents
- ◆ 8 software copyrights
- ◆ 9 invention patents





2005

- ✓ Shenzhen Dinglong Electronic Hardware Factory was established, dedicated to the R&D, production and sales of industrial control chassis and server chassis.

2010

- ✓ Shenzhen Toploong Technology Co.,Ltd. was established, focusing on the R&D and production of industrial control chassis, server chassis, non-standard custom chassis, cabinets and other products.
- ✓ We have developed a variety of industrial control chassis such as 4U4508E, IPC610P, and TOP610H, and realized full mold-based production, leading to a significant increase in production capacity.

2012

- ✓ The company has obtained certifications for the ISO 14001:2005 Environmental Management System and the ISO 9001:2005 Quality Management System.
- ✓ We has introduced ERP/CRM/OA systems to achieve digitalized enterprise operations and improve office efficiency.

2016

- ✓ The company has introduced multiple sets of imported CNC punch presses, laser machines, bending machines, stamping equipment, CNC machines, etc., significantly improving production capacity.
- ✓ We has established offices in most cities across the country and built a comprehensive service system.
- ✓ We has built an international business team, with its products sold well across the globe.

2018

- ✓ The company has established an Industrial Control Integrated Machine Division and researches and develops integrated computer products such as portable computers, OEM/ODM industrial control computers and servers.
- ✓ We developed the "R" series 1-4U storage server chassis, with sales volume increasing significantly. We also obtained the sales agency rights for power supplies of multiple brands including Great Wall, Enhance, and Delta.

2020

- ✓ The company has developed the "M" series hot-swappable storage server chassis and realized full mold-based production.
- ✓ We has developed a variety of embedded fanless industrial computers, and many of these products have successfully obtained invention patents and utility model patents.

2022

- ✓ The company has developed multi-GPU supercomputing server systems to support the development of industries such as AI, rendering, and deep learning.
- ✓ We has developed 5-card/6-card/8-card multi-GPU server chassis, achieving comprehensive layout in this field.

2024

- ✓ The company has developed a dual-tower liquid-cooled GPU server to support the development of industries such as AI, rendering, and deep learning.
- ✓ We has developed PC Farm multi-node servers to support the development of industries such as AI, rendering, and deep learning.
- ✓ We has developed dual-control 2-node servers to support the development of the storage industry.



CNC blanking workshop



Laser blanking workshop ①



Laser blanking workshop ②



Laser blanking workshop③



Stamping Workshop ①



Bending workshop ①



Bending workshop ②



Bending workshop③



Stamping Workshop ②



Multi-axis tapping machine



CNC Workshop



Sheet metal workshop ①



Sheet metal workshop ②



Sheet metal workshop ③



Assembly workshop

Device name	Quantity	Unit	Remark
Laser cutting machine (laser)	6	PCS	Prima
CNC punching	6	PCS	Finn-power
CNC bending machine	18	PCS	Meruga
Punch(10T-160T)	29	PCS	Young force
Punch(250T-400T)	8	PCS	Seyi
CNC	4	PCS	MITSUBISHI
Welder	6	PCS	Spray Painting Powder Coating
Spraying line	1	PCS	
Assembly line	6	PCS	
Multi-axis tapping machine	14	PCS	Sanyou, Jingliang, Xihu
Wire cutting	4	PCS	Lijing CNC
Lathe, Grinder	8	PCS	Sanlong, Nantong, Xihu, Dongyou
Drilling machine, milling machine	10	PCS	Daikin, Wanbang
Copper and aluminum hydraulic cutting machine	2	PCS	Xinyu
Hydraulic press	3	PCS	



High and low temperature test box



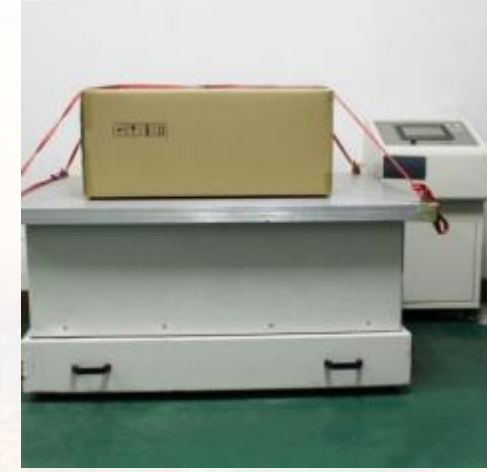
Drop Tester



Carton compressive strength testing machine



Salt spray test machine



Vibration test bench



Automatic Bursting Strength Testing Machine



Pressure tester



Multiplex Temperature Tester



Fan Speed Tester



RoH 1.0 Tester

Test instrument name	Application	Test product	Test instrument name	Application	Test product
High and low temperature test box	Test the industrial control machine running on Stability at -40。 C-80。 C/humidity 10%-95%		Vibration test bench	Simulate the stability of the chassis during transportation	
Drop Tester	Test the reliability of product packaging		Oscilloscope	Test the electrical parameters of electronic materials such as chassis backplanes, switch boards, GPU bottom boards, and power boards	
Salt spray test machine	Test the corrosion degree of chassis plates, screws and other materials in humid heat and salt spray environment		Fan Speed Tester	Test the speed, PWM signal, current, frequency and other parameters of the chassis fan	
Pressure tester	Test the safety voltage, leakage current and other parameters of the whole machine		Fully automatic strength testing machine	Test the compressive strength of cardboard	
Multiplex Temperature Tester	Test the temperature changes at different positions inside the industrial computer when it is running at full load		Carton compressive strength testing machine	Test the compressive strength of cartons	



R & D department introduction:

The company has a high-quality and experienced R&D team. There are more than ten designers, all of whom are college graduates. Most of them have more than 10 years of design experience. They are proficient in sheet metal, plastic, mold, CNC and other processes, and are proficient in 3D modeling, rendering, thermal simulation and other design software, has rich experience in electromagnetic shielding, earthquake resistance, air duct and other issues in the chassis design process, and has provided excellent chassis solutions for many well-known domestic and foreign companies.



R & D investment:

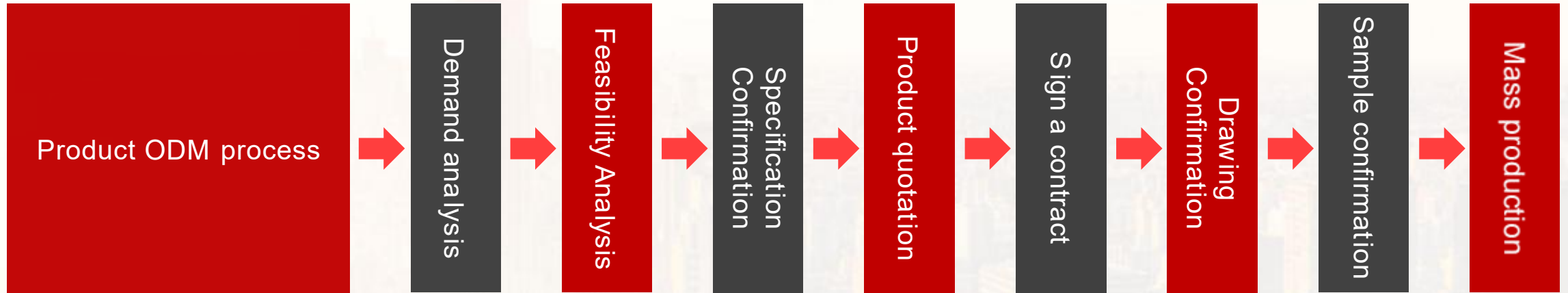
Since its establishment, the company has always paid great attention to product quality and innovation, and invests a large amount of research and development funds in the development of new products every year. In order to maintain product update iterations and market share.

R&D investment as a
percentage of profit
15%



R & D results:

The product structure has successfully applied for 9 invention patents, 50 utility model patents, 34 design patents and 8 software copyrights, achieving technological breakthroughs in multiple production links of industrial control chassis and server chassis, and greatly increasing production capacity, effectively reducing the production cost.



Relying on years of technical accumulation and industry experience, Toplong Technology has fast and efficient production capacity. The average proofing cycle is 7-15 days, and the mass production cycle is 15-20 days. It can provide customers with the highest quality products in the shortest time.

Raw Material Cost Control

Build long-term partnerships with suppliers for better pricing and services.

Optimize production processes

Optimize production processes by increasing automation and utilizing advanced technology for greater efficiency.

Conserve energy and reduce waste

Implement energy-saving technologies to improve energy efficiency and enhance waste management to reduce disposal costs.

Enhance employee efficiency

Continuously train employees to boost efficiency and quality, minimize defects, and increase production pass-through rates.

Establish a thorough cost management system.

Set clear cost control objectives and budgets, and use data analysis and KPIs for real-time cost monitoring and adjustments.

Implement lean production techniques

Utilize lean production principles to streamline the production process, eliminate waste, and reduce costs.

Strengthen quality management practices

Establish a quality management system to ensure products meet customer expectations and minimize return rates, thereby lowering after-sales costs.

Introduce digital management

Implement an advanced ERP system for real-time data monitoring across production, sales, and inventory to improve efficiency and reduce administrative costs.

Detection and Testing

The IPQC/QA team conducts enhanced inspections and testing of products before shipment, including visual checks, dimensional measurements, and functional tests, to ensure compliance with quality standards.

Process Quality Control

We monitor key parameters during production to maintain stability and consistency in product quality, managing inputs, operations, and outputs effectively.

Standardized Quality Control

Strict quality standards are established and enforced for all products, involving the development of work standards and procedures to reduce variability and prevent defects.

Feedback and Continuous Improvement

To improve product quality and meet customer needs, it's important to collect and analyze quality data, gather customer feedback, and identify areas for improvement. This includes implementing corrective measures and establishing feedback mechanisms to support continuous improvement and innovation.

Accuracy

Deliveries must be accurate, meeting specified requirements.

Completeness

Deliveries must be complete, with no missing parts.

Punctuality

Deliveries must be on time to meet project timelines.

Availability

Deliveries must meet usage requirements.

Economy

Deliveries must be cost-effective and within budget.

Safety

Deliveries must meet safety standards for personnel and equipment.

Reliability

Deliveries must be reliable and meet performance requirements.

Sustainability

Deliveries must meet environmental and sustainability standards.



Security Monitoring



Data Center



Smart Transportation



Network Communication



Machine Cision



Automated Industry



Deep Learning



2018.5.28 , Taipei Computex



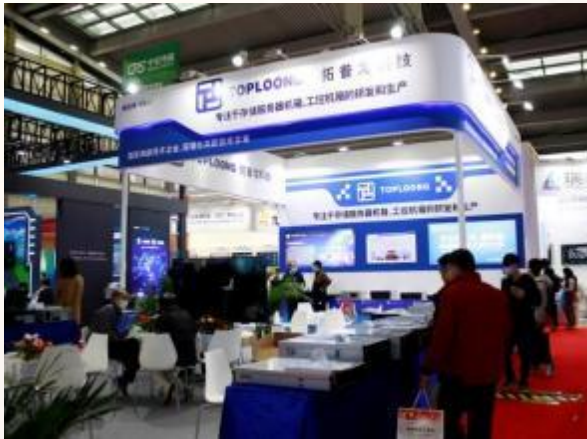
2018 South Korea KES



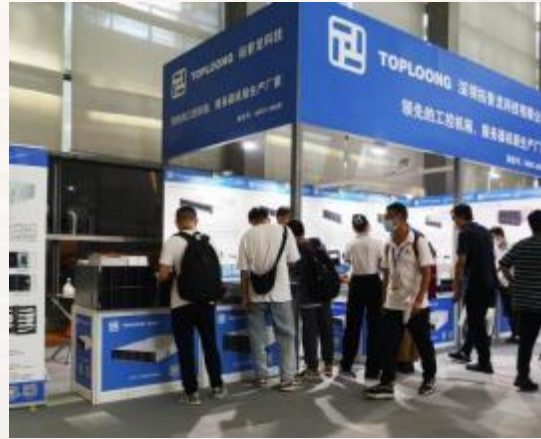
2019 India Convergence



2019.5.28 , Taipei Computex



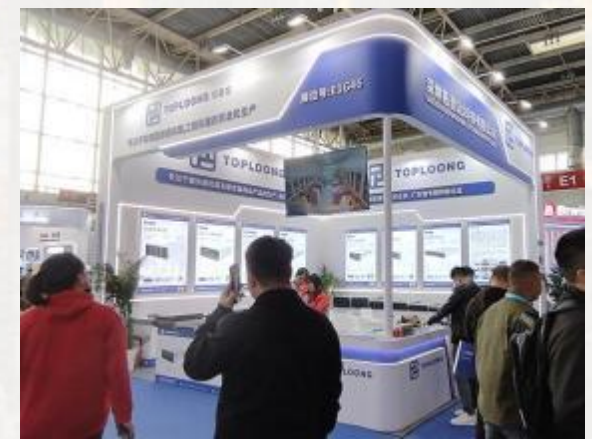
2021.12.26 , Shenzhen CPSE



2022.8.16 , Shenzhen CITE



2023.8.16 , Shenzhen CITE



2024.10.22 , Beijing CITE

02 Rack industrial chassis

- TOP4508E / IPC610H / IPC810E
- TOP4503P / IPC6105 / IPC610F
- IPC610P / TOP610L / IPC470
- 4U One machine 、 4U One machine C、 TOP4U One machine



TOP2U450

Main specifications:

- 2U Rackmount Industrial Chassis
- 1.2mm SGCC
- 2x3.5"HDD , 1x3.5" FDD , 1x5.25"CD-ROM
- Support standard 2U power supply or redundant power supply
- Support 3*8025 fans
- Support 7*PCI/PCIe expansion slots
- Motherboard Support 12" ×9.6"



4163M

Main specifications:

- 4U Rackmount Industrial Chassis
- 1.2mm SGCC
- 1x3.5"HDD , 2x2.5" SSD
- Support 4Ustandard ATX power supply
- Support front 2 90mm fan position,with 1*9025 ball bearing fan
- Support 4↑PCI/PCIe expansion slots
- Motherboard Support 12" ×9.6"



4163ML

Main specifications:

- 4U Rackmount Industrial Chassis
- 1.2mm SGCC
- 1x3.5"HDD , 2x2.5" SSD
- Support 4Ustandard ATX power supply
- Support front 2 90mm fan position,with 1*9025 ball bearing fan
- Support 4↑PCI/PCIe expansion slots
- Motherboard Support 12" ×9.6"



IPC610P

Main specifications:

- 4U Rackmount Industrial Chassis
- 1.2mm SGCC
- 2x3.5"HDD , 1x2.5" SSD, 1x3.5" FDD
- Support ATX power supply
- Support 1个12025 fan
- Support 7/14PCI/PCle expansion slots
- Support standard ISA/PCI/PCIMG Industrial Backplanes or max 12"×10.5" Industrial Motherboards



TOP610L

Main specifications:

- 4U Rackmount Industrial Chassis
- 1.2mm SGCC
- 1x3.5" HDD , 1x3.5"FDD, 3X5.25" CD-ROM
- Support standard ATX power supply or redundant psu
- Support 1 12025 fan
- Support 7 /14 PCI/PCIE expansion slots ,
- Support standard ISA/PCI/PCIMG industrial backplane or 12"×10.5" and below size industrial motherboard



IPC470

Main specifications:

- 4U Rackmount Industrial Chassis
- 1.2mm SGCC
- 1*3.5" HDD, 3*5.25" CD-ROM
- Support standard ATX power supply or redundant power supply
- Support 1 12025 fan
- Support 7 PCI/PCIE expansion slots ,
- Support standard 12"×10.5" and below size motherboard (7 slots)



TOP4508E

Main specifications :

- 4U Rack structure
- 1.2mm SGCC
- 8x3.5"HDD , 1x3.5" FDD , 2x5.25"CD-ROM
- Support standard ATX power supply
- Support 1 12025 and 1 8025 fan
- Support 7 PCI/PCle expansion slots
- Support s motherboards up to 12" x 9.6" in size



IPC610H

Main specifications :

- 4U Rack structure
- 1.2mm SGCC
- 1x3.5"HDD , 1x3.5" FDD , 3x5.25"CD-ROM
- Support standard ATX and redundant power supply
- Support 2 8025 fans
- Support 7/14 PCI/PCle expansion slots
- Support standard ISA/PCI/PCIMG industrial backplane or 12"* 10.5" and below size industrial motherboard



IPC810E

Main specifications :

- 4U Rack structure
- 1.2mm SGCC
- 1x3.5"HDD , 3x5.25"CD-ROM
- Support ATX and redundant power supply
- Support 1*12025 fan
- Support 7 PCI/PCle expansion slots
- Support standard 12*10.5and below size motherboard (1 slots)



TOP4503P

Main specifications :

- 4U Rack structure
- 1.2mmSGCC
- 4x3.5"HDD , 1x2.5" SSD , 2x5.25"CD-ROM
- Support standard ATX power supply
- Support 1 12025 fan
- Support 7 PCI/PCIe expansion slots
- Support s motherboards up to 12" x 9.6" in size



IPC6105

Main specifications :

- 4U Rack structure
- 1.2mmSGCC
- 5x3.5"HDD , Support hot swap
- Support standard ATX and redundant power supply
- Support 1 12025 fan
- Support 7/14 PCI/PCIe expansion slots
- Support standard ISA/PCI/PCIMG industrial backplane or 12"*10.5" and below size industrial motherboard



IPC610F

Main specifications :

- 4U Rack structure
- 1.2mmSGCC
- 2x3.5"HDD, 1x2.5"SSD, 1x3.5"FDD, 2x5.25"CD-ROM
- Support ATX and redundant power supply
- Support 1 12025 fan
- Support 7/14 PCI/PCIe expansion slots
- Support standard ISA/PCI/PCIMG industrial backplane or 12"*10.5" and below size industrial motherboard



IPC610P

Main specifications :

- 4U Rack structure
- 1.2mm SGCC
- 2x3.5"HDD , 1*2.5"SSD , 1x3.5" FDD ,
- 2x5.25"CD-ROM
- Support standard ATX power supply
- Support 1 12025 fan
- Support 7/14 PCI/PCIe expansion slots
- Support standard ISA/PCI/PCIMG industrial backplane or 12"*10.5" and below size industrial motherboard



TOP610L

Main specifications :

- 4U Rack structure
- 1.2mm SGCC
- 1x3.5"HDD , 1x3.5" FDD , 3x5.25"CD-ROM
- Support ATX and redundant power supply
- Support 1 12025 fan
- Support 7/14 PCI/PCIe expansion slots
- Support standard ISA/PCI/PCIMG industrial backplane or 12"*10.5" and below size industrial motherboard



IPC470

Main specifications :

- 4U Rack structure
- 1.2mm SGCC
- 1x3.5"HDD , 3x5.25"CD-ROM
- Support ATX and redundant power supply
- Support 1 12025 fan
- Support 7 PCI/PCIe expansion slots
- Support s motherboards up to 12" x 9.6" in size



4U All-In-One Machine

Main specifications :

- Size: 450mm(D)*428mm(W)*177mm(H)
- 1.2mm SGCC
- 4x3.5"HDD , 1x5.25"CD-ROM
- Support standard ATX power supply
- Support 2 8025 fans
- Support 7/14 PCI/PCIe expansion slots
- standard ISA/PCI/PCIMG industrial backplane or industrial motherboard with a size of 12"*10.5" and below



4U All-In-One Machine C

Main specifications :

- 4U rack structure
- 1.2mm SGCC
- 3x3.5"HDD , 1x5.25"CD-ROM
- Support ATX and redundant power supply
- Support 2 8025B fans
- Support 7/14 PCI/PCIe expansion slots
- Support industrial motherboards with a size of 12"*9.6" and below
- standard AUO 8.4" industrial screen and keyboard and touch mouse



TOP 4U All-In-One Machine

Main specifications :

- Size: 550mm(D)*428mm(W)*177mm(H)
- 1.2mm SGCC
- 3x3.5"HDD , 2*2.5" SSD , 1xslim CD-ROM
- Support standard ATX power supply
- Support 2 8025B fans
- Support 7/14 PCI/PCIe expansion slots
- Support motherboards with a size of 12"*13" and below
- standard 8.9" industrial screen, keyboard and touch mouse

03 Wall mount chassis

- TP2883 / TP2142 / TP2143
- 4163M / 4163ML / IPC6120
- 7185M / 7188ML / IPC8120
- IPC6202 / IPC6204 / 7-slot wall mount industrial chassis S



TP2883

Main specifications :

- Depth 235mm*Width 270mm*Height 88mm
- 1.0mm high quality SGCC
- 3x2.5"HDD/SSD
- One 6025B fan is standard
- Support 2 half-height PCI/PCIe expansion slots
- Support 6.7"*6.7" motherboard
- Support Flex 1U power supply



TP2142

Main specifications :

- Depth 235mm*Width 260mm*Height 140mm
- 1.0mm high quality SGCC
- 1x3.5"HDD/SSD or 2x2.5"HDD/SSD
- Support standard Flex 1U power supply
- One 9025 fan is standard
- Support s 2 full-height PCI/PCIe expansion slots
- Support 6.7"*6.7" motherboard



TP2143

Main specifications :

- Depth 235mm*Width 260mm*Height 140mm
- 1.0mm high quality SGCC
- 1x3.5"HDD/SSD+1x2.5"HDD/SSD
- Support standard Flex 1U power supply
- One 9025 fan is standard
- Support s 2 full-height PCI/PCIe expansion slots
- Support 6.7"*6.7" motherboard



4163M

Main specifications :

- Depth 330mm*Width 270mm*Height 168mm
- 1.0mm high quality SGCC
- 4x2.5"HDD/SSD, 1x3.5"HDD/SSD
- 2 front 9 cm fan positions, standard configuration 1 9025B fan
- Support 4 full-height PCI/PCIe expansion slots
- Support 9.6"*9.6" motherboard
- Support Flex 1U power supply



4163ML

Main specifications :

- Depth 410mm*Width 270mm*Height 168mm
- 1.0mm high quality SGCC
- 6x2.5"HDD/SSD, 1x3.5"HDD/SSD
- 2 front 9025B fans
- Support 4 full-height PCI/PCIe expansion slots
- Support 9.6"*9.6" motherboard
- Support Flex 1U power supply



IPC6120

Main specifications :

- Depth 317.2mm*Width 320mm*Height 164mm
- 1.0mm high quality SGCC
- 2x3.5"HDD/SSD+1x2.5"HDD/SSD
- Support standard Flex 1U power supply
- One 9025 fan is standard
- Support s 2 full-height PCI/PCIe expansion slots
- Support 9.6"*9.6" motherboard



7185M

Main specifications :

- Depth 330mm*Width 330mm*Height 180mm
- 1.0mm high quality SGCC
- 2x3.5"HDD/SSD, 3x2.5"HDD/SSD
- 2 front 9 cm fan positions, standard configuration 1 9025B fan
- Support 7 full-height PCI/PCIe expansion slots
- Support 12"*9.6" motherboard
- Support standard ATX power supply



7188ML

Main specifications :

- Depth 410mm*Width 330mm*Height 180mm
- 1.0mm high quality SGCC
- 6x2.5"HDD/SSD, 2x3.5"HDD/SSD
- 2 front 9025B fans
- Support 7 full-height PCI/PCIe expansion slots
- Support 12"*9.6" motherboard
- Support standard ATX power supply



IPC8120

Main specifications :

- Depth 317.2mm*Width 380mm*Height 164mm
- 1.0mm high quality SGCC
- 2x3.5"HDD/SSD+1x2.5"HDD/SSD
- Support standard Flex 1U power supply
- 1 12025S fan, 1 4020S fan
- Support 7 full-height PCI/PCIe expansion slots
- Support 12"*9.6" motherboard



IPC6202

Main specifications :

- Depth 213.2mm × Width 230mm × Height 156mm
- Environmentally friendly and anti-fingerprint 1.0mm high-quality SGCC
- 1x3.5"HDD, compatible with 2x2.5"SSD
- Support Flex 1U power supply
- standard 1 8025 fan
- Support 2 PCI/PCle full-height expansion slots
- Support 6.7"*6.7" Mini-ITX motherboard



IPC6204

Main specifications :

- Depth 330mmmm*Width 260mm*Height 155mm
- Environmentally friendly and anti-fingerprint 1.0mm high-quality SGCC
- 1x3.5" HDD, compatible with 2.5" SSD
- Support s standard Flex 1U power supplies
- Support 2 8025 fans
- Support 4 full-height PCI/PCle expansion slots
- Support motherboards with a size of 9.6"*9.6" and below



7-slot wall mount industrial chassis S

Main specifications :

- Depth 331.4mmmm*Width 331mm*Height 174mm
- Environmentally friendly and anti-fingerprint 1.0mm high-quality SGCC
- 1x3.5" HDD, 1 x 2.5" SSD
- Support standard ATX power supply
- Support 1 12025S fan
- Support 7 full-height PCI/PCle expansion slots
- Support industrial motherboards with a size of 12"*9.6" and below

04 Embedded fanless chassis

- ECP-3012
- ECP-3017

Product description—ECP-3012 Embedded fanless chassis



ECP-3012 Embedded fanless chassis

Product Features:

1. The chassis is integrally formed by extruding aluminum profile molds. After cutting, polishing, sandblasting and anode treatment, it has the characteristics of high hardness and fast heat transfer.
2. The depth of the chassis can be adjusted according to the size of the motherboard, the front and rear panels can be designed according to the interface of the motherboard, and the color of the chassis can be freely selected according to customer requirements.
3. Support wall-mounted installation, desktop installation and vehicle-mounted installation, Support the heat dissipation requirements of low-power CPUs, and Support customization.



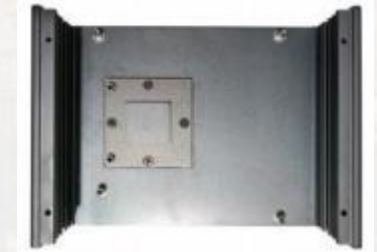
Heat conduction copper pipes can be embedded on both sides, which can solve the heat dissipation of CPU with TDP $\leq$ 25W



Front and rear panel interfaces can be flexibly customized



"U" shaped aluminum profile structure, integrally formed



The CPU fits seamlessly with the casing, allowing faster heat transfer



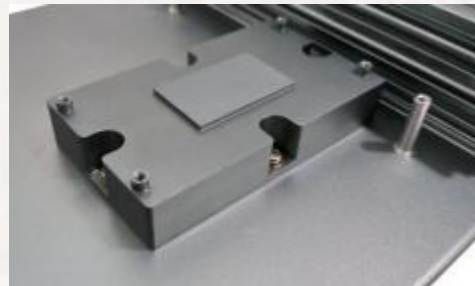
ECP-3017 Embedded fanless chassis

Product Features:

1. The chassis is integrally formed by extruding aluminum profile molds. After cutting, polishing, sandblasting and anode treatment, it has the characteristics of high hardness and fast heat transfer.
2. The depth of the chassis can be adjusted according to the size of the motherboard, the front and rear panels can be designed according to the interface of the motherboard, and the color of the chassis can be freely selected according to customer requirements.
3. Support wall-mounted installation, desktop installation and vehicle-mounted installation, Support the heat dissipation requirements of low-power CPUs, and Support customization.



Motherboard installation method



CPU heat conduction aluminum block



Front and rear panel interfaces can be flexibly customized



"U"-shaped aluminum profile structure, enabling faster heat transfer.

05 Hot-swappable server chassis

- S156-04 / S165-04 / S265-08
- S265-08 / M265-12 / M365-16
- S665-60 / S865-72/ S865-84
- S165-04(liquid cooler)
- M265-08/M265-12/M265-25
- M279-12/M279-16/M177-12
- NAS-04 / NAS-06 / NAS-08
- S265-12 / S365-16
- S465-24 / S465-36 S / S665-48
- M465-24 / M465-36
- T165-10/T265-24
- M365-16/M465-24/M465-36



Category	Specifications		
Product number	S156-04 storage server chassis	S165-04 storage server chassis	S265-08 storage server chassis
Size (mm)	Depth 650mm×width 437.5mm×height 44mm	Depth 650mm×width 437.5mm×height 44mm	Depth 650mm×width 437.5mm×height 88mm
Material	Environmental protection, anti-fingerprint 1.0mm SGCC		
HDD bay	4 x 3.5" hot-swap SATA (II or III) / SAS (II or III) 6Gb/s drive bays.	4 front 3.5" HDDs (compatible with 2.5" HDD/SSD), 1 built-in 2.5" HDD/SSD	8 front 3.5" HDDs (compatible with 2.5" HDD/SSD), 1 built-in 2.5" HDD/SSD
CD-ROM	1 slim CD-ROM bay(Compatible with 2.5" HDD/SSD).	1 ultra-thin notebook optical drive	1 ultra-thin notebook optical drive
Cooling fan	Optional 6pcs 40mm fan position, standard quotation with 4pcs 4028 AVC ball bearing fans.	Six 4cm fan positions, four 4056 ball fans as standard	Four 8 cm fan positions, three 8025B ball fans as standard
HDD tray	The hard disk extraction box adopts anti-EMI design, with a light guide column, which can indicate the working status of the hard disk, slide rail design, smooth extraction, optional drawer box for installing the hard disk without screws		
Backplane	6Gb/s SATA backplane, / 6Gb/s MINI SAS backplane,with temperature control chipset. / 12Gb/s MINI SAS backplane, with temperature control chipset.	6Gb sata directly connected to the backplane, optional 12Gb, with fan PWM intelligent speed control function	6Gb directly connected to the backplane, optional 12Gb, with fan PWM intelligent speed control, SGPIO, optional hard disk time-sharing start function
Suitable for motherboard	Support MAX 12" x 10.5" motherboard	Support s motherboards with a maximum size of 13.68"*13 (EE-ATX) and below	
system control	Power LED*1 , Reset*1 , Power SW*1 , HDD LED*1 , NIC LED*2 , UID LED*1 , UID SW*1 , OH/FAN Fail LED*1 , Power Fail LED*1		
power supply	1U single power supply, 1U redundant power supply	1U single power supply, 1U redundant power supply	1U single power supply, 2U power supply, CRPS redundant power supply



Category	Specifications	
Product number	S265-12 storage server chassis	S365-16 storage server chassis
Size (mm)	Depth 650mm×width 437.5mm×height 88mm	Depth 650mm×width 437.5mm×height 132mm
Material	Environmental protection, anti-fingerprint 1.0mm SGCC	
HDD bay	12 front 3.5" HDD (compatible with 2.5" HDD/SSD), 2 internal 2.5" HDD/SSD	16 front 3.5" HDDs (compatible with 2.5" HDD/SSD), 2 built-in 2.5" HDD/SSD;
Cooling fan	Four 8 cm fan positions, three 8038 ball fans as standard , with hot-swappable and shock-absorbing functions	Three 12038B ball fans are standard , with hot-swappable and shock-absorbing functions
HDD tray	The hard disk extraction box adopts anti-EMI design, with a light guide column, which can indicate the working status of the hard disk, slide rail design, smooth extraction, optional drawer box for installing the hard disk without screws	
Backplane	6Gb direct connection backplane, optional 6Gb expansion backplane, 12Gb direct connection backplane and 12Gb expansion backplane, with fan PWM intelligent speed regulation, SGPIO function and hard disk time-sharing start function, optional NVME	12Gb expansion backplane, optional 6Gb expansion backplane, with fan PWM intelligent speed regulation and SGPIO function
Suitable for motherboard	Support s motherboards with a maximum size of 13.68"*13 (EE-ATX) and below	
system control	Power LED*1 , Reset*1 , Power SW*1 , HDD LED*1 , NIC LED*2 , UID LED*1 , UID SW*1 , OH/FAN Fail LED*1 , Power Fail LED*1	
power supply	2U single power supply, CRPS redundant power supply	



Category	Specifications		
Product number	S465-24 storage server chassis	S465-36 storage server chassis	S665-48 storage server chassis
Size (mm)	Depth 650mm×width 437.5mm×height 176.5mm		Depth 650mm×width 437.5mm×height 265mm
Material	Environmental protection, anti-fingerprint 1.0mm SGCC		
HDD bay	24 front 3.5" HDDs (compatible with 2.5" HDD/SSD), 2 built-in 2.5" HDD/SSD	24 front 3.5" HDD (compatible with 2.5" HDD/SSD), 12 rear 3.5" HDD, 2 internal 2.5" HDD/SSD	24 front 3.5" HDD (compatible with 2.5" HDD/SSD), 24 rear 3.5" HDD, 2 internal 2.5" HDD/SSD
Cooling fan	standard 3 12038 ball fans with hot-swappable and shock-absorbing functions	standard 3 12038 ball fans and 4 8038 ball fans, with hot-swappable and shock-absorbing functions	standard 6 12038B ball fans with hot-swappable and shock-absorbing functions
HDD tray	The hard disk extraction box adopts anti-EMI design, with a light guide column, which can indicate the working status of the hard disk, slide rail design, smooth extraction, optional drawer box for installing the hard disk without screws		
Backplane	standard 12Gb expansion backplane, with fan PWM intelligent speed control, hard disk time-sharing start, SGPIO, cold storage, over-temperature alarm, power supply short-circuit protection, Support for SATA/SAS/NVME and other functions, optional 6Gb expansion backplane		
Suitable for motherboard	Support s motherboards with a maximum size of 13.68"*13 (EE-ATX) and below		
system control	Power LED* 1 , Reset* 1 , Power SW* 1 , HDD LED* 1 , NIC LED*2 , UID LED* 1 , UID SW* 1 , OH/FAN Fail LED* 1 , Power Fail LED* 1		
power supply	standard 2U single power supply/ATX power supply/CRPS redundant power supply	2U single power supply/CRPS redundant power supply	CRPS redundant power supply



category	Specifications		
Product number	S665-60 storage server chassis	S865-72 storage server chassis	S865-84 storage server chassis
Size (mm)	Depth 650mm × Width 437.5mm × Height 265mm	Depth 650mm×width 437.5mm×height 354 mm	Depth 650mm×width 437.5mm×height 354 mm
Material	Environmental protection, anti-fingerprint 1.0mm SGCC		
HDD bay	48 front 3.5" HDD (2.5" HDD/SSD compatible), 2 internal 2.5" HDD/SSD, 12 rear 3.5" HDD (2.5" HDD/SSD compatible)	48 front 3.5" HDDs (2.5" HDD/SSD compatible), 24 rear 3.5" HDDs (2.5" HDD/SSD compatible), 2 internal 2.5" HDD/SSD	84 x 3.5" hot-swap SATA/SAS drive bays, built-in 2 x 2.5" hard disk.
Cooling fan	standard 6 12038 ball fans, high air pressure, high air volume, with hot-swappable and shock-absorbing functions	standard 6 12038 ball fans, high air pressure, high air volume, with hot-swappable and shock-absorbing functions	9 X 120mm hot-swap fans.
Backplane	standard 12Gb expansion backplane, with fan PWM intelligent speed control, hard disk time-sharing start, SGPIO, cold storage, over-temperature alarm, power supply short-circuit protection, Support for SATA/SAS/NVME and other functions, optional 6Gb expansion backplane		12Gb/s backplane(Optional 6Gb/s), compatible with SATA/SAS HDD, with temperature control, hard disk time sharing start.
Suitable for motherboard	Support s motherboards with a maximum size of 13.68"*13 (EE-ATX) and below		
system control	Power LED* 1 , Reset* 1 , Power SW* 1 , HDD LED* 1 , NIC LED*2 , UID LED* 1 , UID SW* 1 , OH/FAN Fail LED* 1 , Power Fail LED* 1		
Power supply	CRPS redundant power supply		



category	Specifications
Product number	S165-04 Liquid cooler
Size (mm)	Depth 650mm × Width 437.5mm × Height 44mm
Material	1.0mm SGCC Zinc-Coated Steel.
HDD bay	4 x 3.5" hot-swap SATA (II or III) / SAS (II or III) 6Gb/s drive bays.
Cooling	Liquid cooling bar and 40mm fans
HDD tray	The hard disk extraction box adopts anti-EMI design, with a light guide column, which can indicate the working status of the hard disk, slide rail design, smooth extraction, optional drawer box for installing the hard disk without screws
Backplane	6Gb/s SATA backplane, / 6Gb/s MINI SAS backplane,with temperature control chipset. / 12Gb/s MINI SAS backplane, with temperature control chipset.
Suitable for motherboard	Support EATX 12" x 13" motherboard.
System control	Power LED*1 , Reset*1 , Power SW*1 , HDD LED*1 , NIC LED*2 , UID LED*1 , UID SW*1 , OH/FAN Fail LED*1 , Power Fail LED*1
Power supply	slim redundant power supply, length180-250mm.



category	Specifications	
Product number	T165-10 storage server chassis	T165-10A storage server chassis
Size (mm)	Depth 650 mm×width 437.5 mm×height 44 mm	
Material	Environmental protection, anti-fingerprint 1.0mm SGCC	
HDD bay	10 front 2.5" HDD/SSD	
Cooling fan	6 4cm fan positions, 4*4056 ball fans as standard	6*4056 ball fans
HDD tray	The hard disk extraction box adopts anti-EMI design, with a light guide column, which can indicate the working status of the hard disk, slide rail design, smooth extraction, optional drawer box for installing the hard disk without screws	
Backplane	12Gb/s backplane, with fan PWM intelligent speed regulation, hard disk time-sharing startup and SGPIO function, Support s SATA/SAS, and 2 disks Support NVME	
Suitable for motherboard	Supports motherboards with a maximum size of 13.68"*13 (EE-ATX) and below	
system control	Power LED*1 , Reset*1 , Power SW*1 , HDD LED*1 , NIC LED*2 , UID LED*1 , UID SW*1 , OH/FAN Fail LED*1 , Power Fail LED*1	
power supply	1U single power supply	1U slim redundant power supply

Product description—Hot-swappable server chassis

“M” series

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category	Specifications		
Product number	M265-08 storage server chassis	M265-12 storage server chassis	M265-12H storage server chassis
Size (mm)	Depth 650mm×width 437.5mm×height 88mm		
Material	Environmental protection, anti-fingerprint 1.0mm SGCC		
HDD bay	8 front 3.5" HDDs (compatible with 2.5" HDD/SSD), 1 built-in 2.5" HDD/SSD	12 front 3.5" HDD/SSD, 2 internal 2.5" HDD/SSD	12 front 3.5" HDD/SSD, 2 internal 2.5" HDD/SSD
GPU Bay			1*FHFL GPU CARD position
Cooling fan	Four 8 cm fan positions, three 8025 ball fans as standard , with hot-swappable and shock-absorbing functions	Four 8 cm fan positions, three 8038 ball fans as standard , with hot-swappable and shock-absorbing functions	Four 8038 ball fans as standard, with hot-swappable and shock-absorbing functions
HDD tray	The hard disk extraction box adopts anti-EMI design, with a light guide column, which can indicate the working status of the hard disk, slide rail design, smooth extraction, optional drawer box for installing the hard disk without screws		
Backplane	6Gb/s SATA backplanet, / 6Gb/s MINI SAS backplane, with temperature control chipset. / 12Gb/s MINI SAS backplane, with temperature control chipset./12Gbps SAS/SATA/NVME Gen4	12Gb/s MINI SAS HD backplane, with temperature control chipset. /12Gbps SAS/SATA/NVME Gen4/ 6Gb/s Expander backplane, with temperature control chipset. / 12Gb/s Expander backplane (optional 4 /8 pcs nvme) .	12Gb/s MINI SAS HD backplane, with temperature control chipset. /12Gbps SAS/SATA/NVME Gen4/ 6Gb/s Expander backplane, with temperature control chipset. / 12Gb/s Expander backplane (optional 4 /8 pcs nvme) .
Suitable for motherboard	Support s motherboards with a maximum size of 13.68"*13 (EE-ATX) and below		
System control	Power LED*1 , Reset*1 , Power SW*1 , HDD LED*1 , NIC LED*2 , UID LED*1 , UID SW*1 , OH/FAN Fail LED*1 , Power Fail LED*1		
Power supply	2U single power supply, CRPS redundant power supply	2u single power supply, CRPS redundant power supply	2U single power supply, CRPS redundant power supply



category	Specifications	
Product number	M268-25 NE16 storage server chassis	M265-25 storage server chassis
Size (mm)	Depth 650mm×width 437.5mm×height 88mm	
Material	Environmental protection, anti-fingerprint 1.0mm SGCC	
HDD bay	25 front 2.5" HDD/SSD, 2 internal 2.5" HDD/SSD	25 front 2.5" HDD/SSD, 2 internal 2.5" HDD/SSD
Cooling fan		Four 8 cm fan positions, three 8038 ball fans as standard, with hot-swappable and shock-absorbing functions
HDD tray	The hard disk extraction box adopts anti-EMI design, with a light guide column, which can indicate the working status of the hard disk, slide rail design, smooth extraction, optional drawer box for installing the hard disk without screws	
Backplane	all flash, 25NVMe compatible 1 SATA	12Gb/s Expander backplane, with temperature control chipset (optional 4 /8 pcs nvme) / 12Gbps SAS/SATA/NVME Gen4
Suitable for motherboard	Support s motherboards with a maximum size of 13.68"*13 (EE-ATX) and below	
System control	Power LED*1 , Reset*1 , Power SW*1 , HDD LED*1 , NIC LED*2 , UID LED*1 , UID SW*1 , OH/FAN Fail LED*1 , Power Fail LED*1	
Power supply	2U single power supply, CRPS redundant power supply	



category	Specifications		
Product number	M365-16 storage server chassis	M465-24 storage server chassis	M465-36 storage server chassis
Size (mm)	Depth 650mm×width 437.5mm×height 132mm	Depth 650mm×width 437.5mm×height 177mm	
Material	Environmental protection, anti-fingerprint 1.0mm SGCC		
HDD bay	16 front 3.5" HDD (compatible with 2.5" HDD/SSD), 2 internal 2.5" HDD/SSD	24 front 3.5" HDDs (compatible with 2.5" HDD/SSD), 2 built-in 2.5" HDD/SSD	24 front 3.5" HDD (compatible with 2.5" HDD/SSD), 12 rear 3.5" HDD, 2 internal 2.5" HDD/SSD
Cooling fan	standard 3 12038 ball fans with hot-swappable and shock-absorbing functions		standard 3 12038 ball fans and 4 8038 ball fans, with hot-swappable and shock-absorbing functions
HDD tray	The hard disk extraction box adopts anti-EMI design, with a light guide column, which can indicate the working status of the hard disk, slide rail design, smooth extraction, optional drawer box for installing the hard disk without screws		
Backplane	12Gb/s Expander backplane (optional 4 /8 pcs nvme) .	12Gb/s Expander backplane, with temperature control chipset (optional 8pcs nvme)	12Gb/s Expander backplane, with temperature control chipset (optional 8pcs-16pcs nvme)
Suitable for motherboard	Support s motherboards with a maximum size of 13.68"*13 (EE-ATX) and below		
system control	Power LED*1 , Reset*1 , Power SW*1 , HDD LED*1 , NIC LED*2 , UID LED*1 , UID SW*1 , OH/FAN Fail LED*1 , Power Fail LED*1		
power supply	2U single power supply, CRPS redundant power supply		



category	Specifications		
Product number	M279-12 storage server chassis	M279-16 storage server chassis	M177-12 storage server chassis
Size (mm)	Depth 790mm × Width 437.6mm × Height 288mm		Depth 770mm × Width 437.6mm × Height 44mm
Material	Environmental protection, anti-fingerprint 1.0mm SGCC		
HDD bay	12 front 3.5" HDD/SSD, 2 internal 2.5" SSD	front 8* 3.5"+ 8*2.5" HDD/SSD, rear option 2 * 2.5" SSD	front 12*2.5" HDD/SSD
Cooling fan	Standard 8*2026B fans , with hot-swappable and shock-absorbing functions	Standard 4*8038B fans , with hot-swappable and shock-absorbing functions	Standard 8*4056B fans , with shock-absorbing functions
HDD tray	The hard disk extraction box adopts anti-EMI design, with a light guide column, which can indicate the working status of the hard disk, slide rail design, smooth extraction, optional drawer box for installing the hard disk without screws		
Backplane	12Gb/s MINI SAS HD backplane, with temperature control chipset. /12Gbps SAS/SATA/NVME Gen4/ 6Gb/s Expander backplane, with temperature control chipset. / 12Gb/s Expander backplane (optional 4 /8 pcs nvme) .	12Gb/s MINI SAS HD backplane, with temperature control chipset. /12Gbps SAS/SATA/NVME Gen4	12Gbps SAS/SATA/NVME Gen4
Suitable for motherboard	customized for L shape motherboard , suitable for Seavo 4281		
system control	Power LED*1 , Reset*1 , Power SW*1 , HDD LED*1 , NIC LED*2 , UID LED*1 , UID SW*1 , OH/FAN Fail LED*1 , Power Fail LED*1		
power supply	Standard CRPS module		



NAS-04

Main specifications :

- Depth 263mm × Width 160mm × Height 180mm
- Environmentally friendly and anti-fingerprint 1.0mm high-quality SGCC
- 4x3.5" HDD, compatible with 2.5" HDD/SSD
- Support Flex 1U power supply
- standard 1 12025 fan
- Support Mini-ITX (170mm*170mm) motherboard
- Widely used in home storage, private cloud, office video and other fields



NAS-06

Main specifications :

- Depth 260mm × Width 250mm × Height 195mm
- Environmentally friendly and anti-fingerprint 1.0mm high-quality SGCC
- 6x3.5" HDD, compatible with 2.5" HDD/SSD
- Support Flex 1U power supply
- standard 2 8025 fans
- Support Mini-ITX (170mm*170mm) motherboard
- Support 1 full height PCI/PCIE expansion slot
- Widely used in home storage, private cloud, office video and other fields



NAS-08

Main specifications :

- Depth 310mm × Width 305mm × Height 221mm
- Environmentally friendly and anti-fingerprint 1.0mm high-quality SGCC
- 8x3.5" HDD, compatible with 2.5" HDD/SSD
- Support Flex 1U power supply
- standard 2 9025S fans and 1 6025S fan, adjustable speed
- Support s Micro-ATX (9.6"*9.6") and below motherboards
- Support 4 half-height PCI/PCIE expansion slots



Standard



A



C



F



J

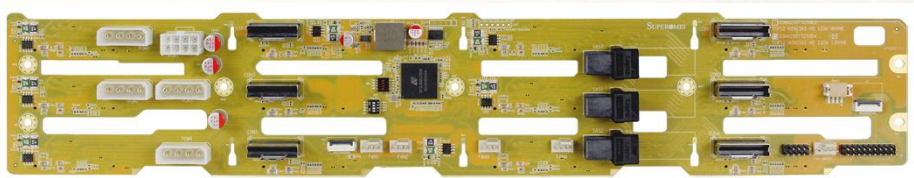
Hard disk screw-free installation



1U 12-bay SATA/SAS/Nvme direct connection backplane



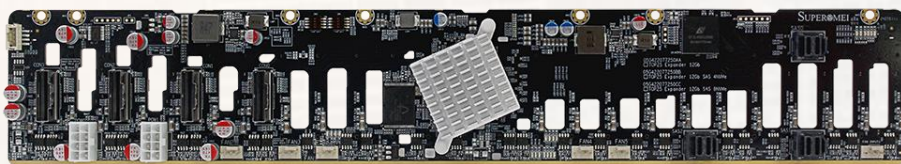
2U 8-bay 12Gb SATA/SAS/Nvme direct connection backplane



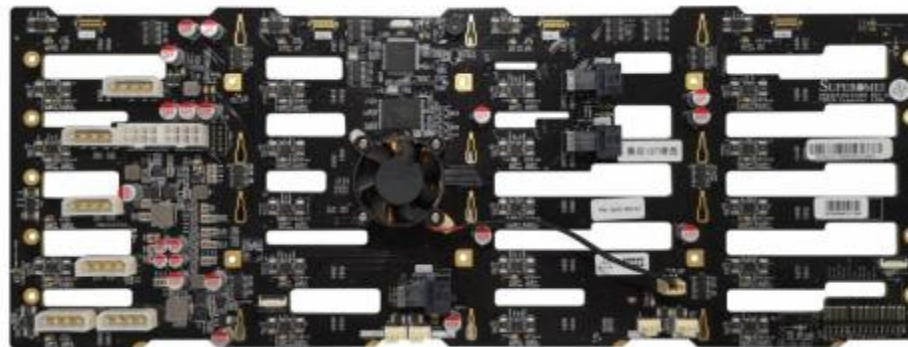
2U 12-bay 12Gb SATA/SAS/Nvme direct connection backplane



2U 12-bay 12Gb expansion backplane 8654 8i



2U 25-bay 24NVME expansion backplane



4U 24-bay 12Gb expansion backplane (Support 4*Nvme)



2U 25-bay 12Gb expansion backplane (Support 4*Nvme)



2-bay SATA/SAS backplane



2-bay Nvme backplane



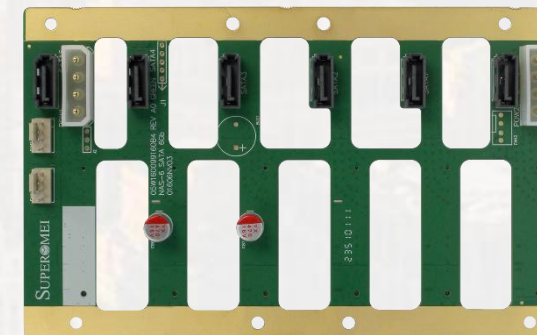
4-bay SATA/SAS/Nvme backplane



SFF8643 to SFF8644 adapter board



PCIE to 4*U.2 adapter card



6-bay SATA/SAS backplane



S165-04 (Water-Cooled) Storage Server Chassis - Specifications

Dimension: 650 (L) × 437.6 (W) × 44 (H) mm, 1U Rack-Mount Chassis

HDD bay: 4x3.5"/2.5" HDD/SSD bays

Water Cooling Radiator Heat Dissipation

Power: 220W

Water Cooling Radiator Dimensions: 457 × 80 × 40 mm

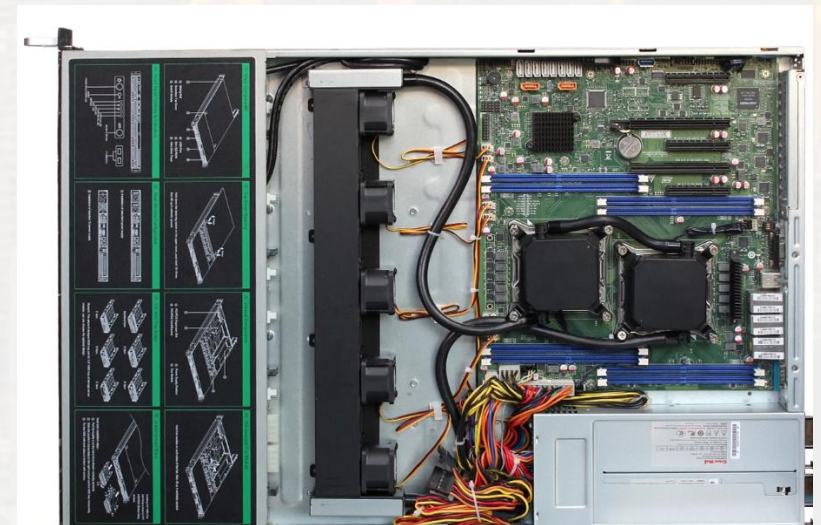
Pump Dimension: 118 × 78 × 27 mm

Backplane: 6Gb 4-Bay Expander Backplane, with Temperature Control, SGPIO, Staggered Spin-Up, and Hard Drive Short-Circuit Protection

Motherboard: Compatible with motherboards of 12" × 13" (E-ATX) size and below size

Fans: 5 ball-bearing fans (supports hot-swapping)

Power supply: Supports standard 1U power supply and CRPS redundant power supply





M279-12 Storage Server Chassis - Specifications

Dimension: 790 (L) * 437.6 (W) * 88 (H) mm, 2U Rack-Mount Chassis

HDD bay: 12 x 3.5" HDD/SSD (Front-Mounted), 2 x 2.5" SSD (NVME Optional, Rear-Mounted)

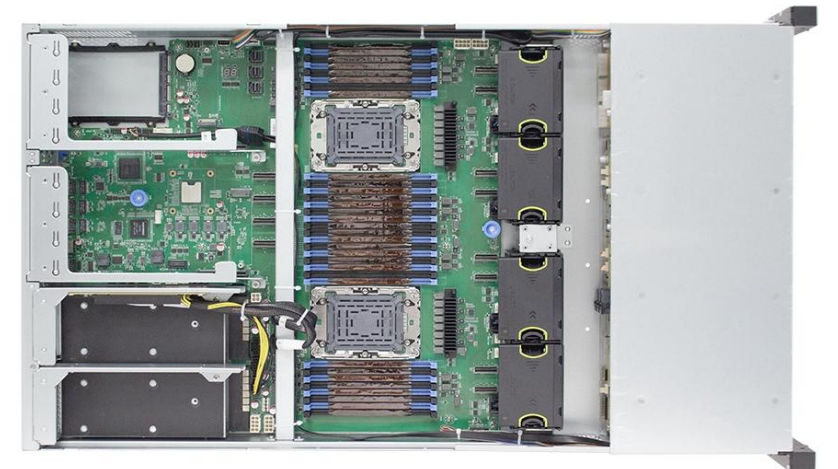
HDD 0-3 Supports Three Hard Drive Modes: SAS, SATA, and NVME, HDD 4-11 Supports Two Hard Drive Modes: SATA and SAS

Backplane: Standard 12Gb Expander Backplane, Supporting SGPIO, Fan PWM Intelligent Speed Control, Hard Drive Short-Circuit Protection, Hard Drive Staggered Spin-Up, JBOD, Link Aggregation, and 4 NVME Drives

Motherboard: Compatible with Domestic Xinchuang Motherboards

Fans: 4 x 8056B ball-bearing fans (supports hot-swapping); fan housing features modular design, excellent vibration damping, and built-in fan operation indicators & fault indicators

Power supply: standard CRPS redundant power supply



06 Dual control storage server

■ 4U 24 disk dual controller storage server

Dual Controller Technology: Active-Active dual-active technology, cache mirroring technology.

VRAID 3.0 Technology: Delta reconstruction, Delta synchronization, read error recovery, RAID metadata permanent protection, support for RAID roaming.

HASS Technology: Proactive health check, real-time data analysis, SMART analysis.

High-Reliability Hardware Design: Data center-level high availability, modular design, redundant BBU modules, high-efficiency redundant power modules, temperature-controlled energy-saving fan modules, over-temperature protection, power protection, NMI function, auto power-on after power recovery, comprehensive alarm functions.

Distributed Management Platform: Cross-platform management software supporting graphical remote management on Windows, Linux, and Mac, visualized Chinese and English GUI, distributed management platform for managing all devices from a single operation interface.

Green and Energy-Saving Features: Rapid cold standby recovery with 1 + 1 redundant power supply, CPU automatic energy adjustment based on load, temperature-controlled fans, advanced cache technology.



Rear pane



Front panel

- Dual control technology
- High reliability
- Distributed management platform
- Green technology

4U 24bay dual controller storage server

Model	TP5100
Form Factor	4U24 drive bays, 19-inch rack mountable
Main Processor	Intel multi-core 64-bit processor (4–64 cores, configurable E3 single-socket series, E5 dual-socket series, Xeon scalable processors)
Cache	64~1024GB
Mirrored Write Cache	Power-loss protected write cache: 4–128GB
Front-end Service Interface Types	10/100/1000Base-T Ethernet interface, 10G SFP+ interface, 40G QSFP28 interface
Interfaces	8–16 GE or 8x10GE or 8x8/16G FC (supports standard half-height PCIe expansion cards)
Supported Protocols	FC, iSCSI, CIFS, NFS
Supported Disk Capacities	SAS HDDs: 2–20TB、SSD drives: 960GB, 1.92TB, 3.84TB
Supported Drive Types	SAS HDDs (7200 RPM, 3.5-inch)、SAS SSD drives
RAID Levels	RAID 0、1、5、10
RAID Features	Support for reconstruction and rebuilding, Delta reconstruction, automatic Delta synchronization, RAID groups support multiple disk media errors, read error write recovery, metadata permanent protection
Functional Software	1024 I/O Redirect snapshots, snapshot-based remote replication (non-production environment)
Operating System Support	Supports Windows, Linux, Solaris, HP-UX, AIX, FreeBSD, etc
Fans	High-efficiency adaptive speed-controlled fans, supports N+1 redundant hot-swappable fans
BBU	Integrated BBU, standard lithium battery version (E3 processor optional super capacitor version)
Alarm Features	Supports console alarm, LED alarm, buzzer alarm, email alarm, SNMP Trap alarm, SMS alarm, etc.
Operating Environment	Operating temperature: +5 ° C to +35 ° C, Operating humidity: 10% to 90%
Product Dimensions	175mm(H)x440mm(W)x760mm(D)

07 GPU server chassis

- 4GPU server chassis
- 5GPU server chassis
- 6GPU server chassis
- 9GPU server chassis



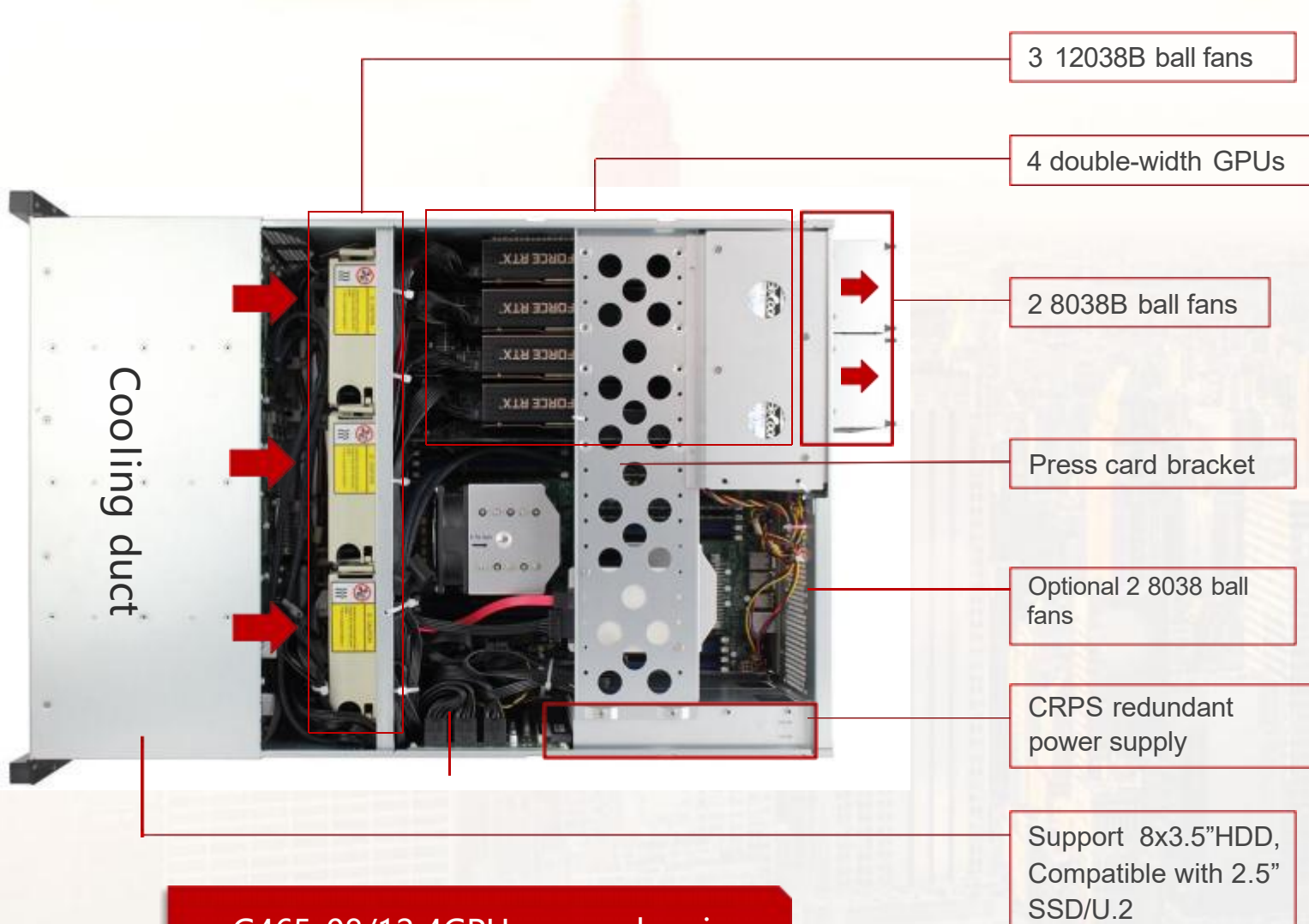
Category	Specifications		
Product number	G-4838-P4 AI inference chassis	G4778-P4 AI inference chassis	G4835/G4836-P4 AI inference chassis
Size (mm)	Depth 830mm×width 437.6mm×height 176.5mm	Depth 770mm×width 437.6mm×height 176.5mm	Depth 830mm×width 437.6mm×height 176.5mm
Material	Magang (environmentally friendly, fingerprint resistant 1.2mm SGCC)		
Hard disk space	Optional built-in 2*2.5" SSD	Optional front front 2x2.5" SSD	Optional built-in 2*2.5-inch SATA or NVMe backplane
GPU	Supports 8 double-wide turbo GPU cards (length 270MM) on front.	Support 8 double-wide turbo GPU cards (length 270MM) on rear.	Supports 5-6pcs 2.5-inch gaming GPU cards (length 350MM) on front.
I/O	7 full-height PCI/PCIE expansion slots, vertical insertion	front 11 full-height PCI/PCIE expansion slots, vertical insertion	7 full-height PCI/PCIE expansion slots, vertical insertion
Cooling fan	3* 12038 hot-swappable fans on middle wall and 2*6038 +3*8038 ball fans (high air pressure/high air volume) on rear	3* 12038 hot-swappable fans on middle wall and 4*8038 ball fans (high air pressure/high air volume) on rear	3* 12038 hot-swappable fans on middle wall and 2*6038 +3*8038 ball fans (high air pressure/high air volume) on rear
Suitable for motherboard	standard 12"*13" and below motherboards, the motherboard requires 4 PCIE4.0 X16 slots or 8	standard 12"*13" , the motherboard requires 4 PCIE4.0 X16 slots	standard 12"*13" and below motherboards
System control	POWER LED*1 , HDD LED*1 , RESET SW*1 , POWER SW*1 , NIC LED*2		
power supply	Support s standard CRPS power module, 4+1 power supply mode		



Category	Specifications	
Product number	G-4808-P5 AI inference chassis	G-5818-AS AI inference chassis
Size (mm)	Depth 800mm×width 437.6mm×height 176mm	Depth830mm×width 437.6mm×height 220mm
Material	Magang (environmentally friendly, fingerprint resistant 1.2mm SGCC)	
Hard disk space	front 4*2.5 SSD bays,optional hotswap ssd modules with sata /NVMe backplane	Front 8 x 2.5-inch SSD bays, optional hotswap ssd modules with sata /NVMe backplane
GPU	Supports 8 double-wide turbo GPU cards (length 270MM) on rear	
I/O	7 front PCI/PCIE expansion slots, 2 rear full-height PCI/PCIE expansion slots, expansion able HBA card/RAID card/10Gb/25Gb/40Gb/100Gb network card, etc.	3 front PCI/PCIE expansion slots
Cooling fan	3* 12038 hot-swappable fans on middle wall and 4*8038 ball fans (high air pressure/high air volume) on rear	standard built-in 3* 12038 hot-swappable fan positions and 3*12038 ball fans (high air pressure/high air volume)
Suitable for motherboard	Supports 16.53" x 13.79" motherboards, with at least 16 PCIE5.0 X8 MCIO interfaces	
System control	POWER LED*1 , HDD LED*1 , RESET SW*1 , POWER SW*1 , NIC LED*2	
power supply	Supports 5pcs CRPS power modules, 4+1 power supply mode	



Category	Specifications
Product number	G-97810-P4 AI inference chassis
Size (mm)	Depth 780mm×width 437.5mm×height 397mm
Material	Magang (environmentally friendly, fingerprint resistant 1.2mm SGCC)
Hard disk space	Optional front 2*2.5-inch SATA or NVME backplane/front 12 3.5-inch hard drive bays
GPU	Support s 10 3.5-wide gaming version GPU cards (length 350MM)
I/O	11 full-height PCI/PCIE expansion slots, vertical insertion
Cooling fan	standard built-in 12 *12038 hot-swappable fan positions (high air pressure/high air volume)
Suitable for motherboard	standard EATX or lower motherboards/Support Super Micro/Gigabyte/Taian (15.2*13.3) motherboards. The motherboard needs to have at least 5 PCIE4.0 X16 slots or 10 PCIE4.0 X8 slots
System control	Power LED*1, Reset*1, Power SW*1, HDD LED*1, NIC LED*2*1, UID SW*1, UID LED*1, Power Fail LED*1
power supply	Support s standard CRPS power module, 4+1 power supply mode



G465-08/12 4GPU server chassis



8-bay front panel



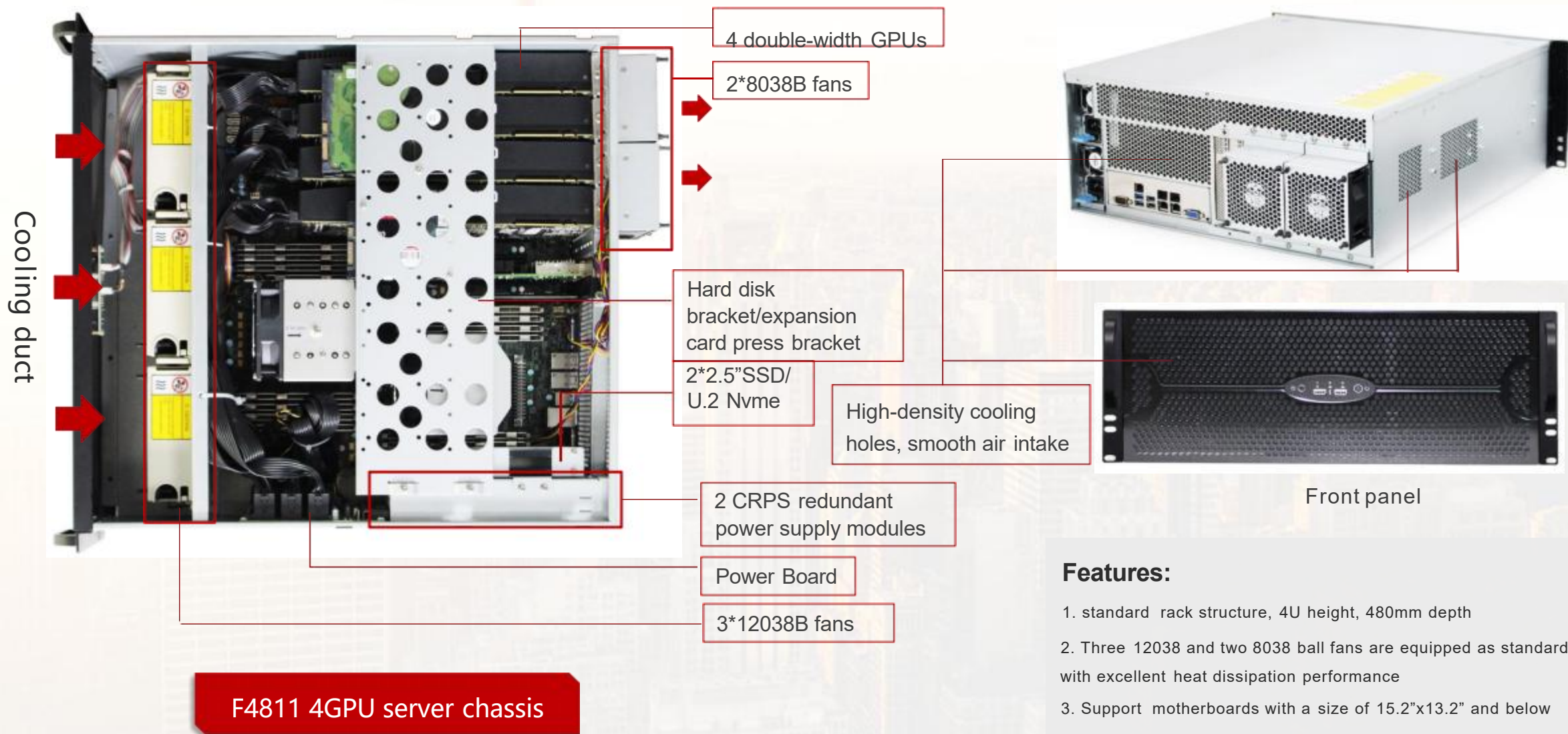
12-bay front panel

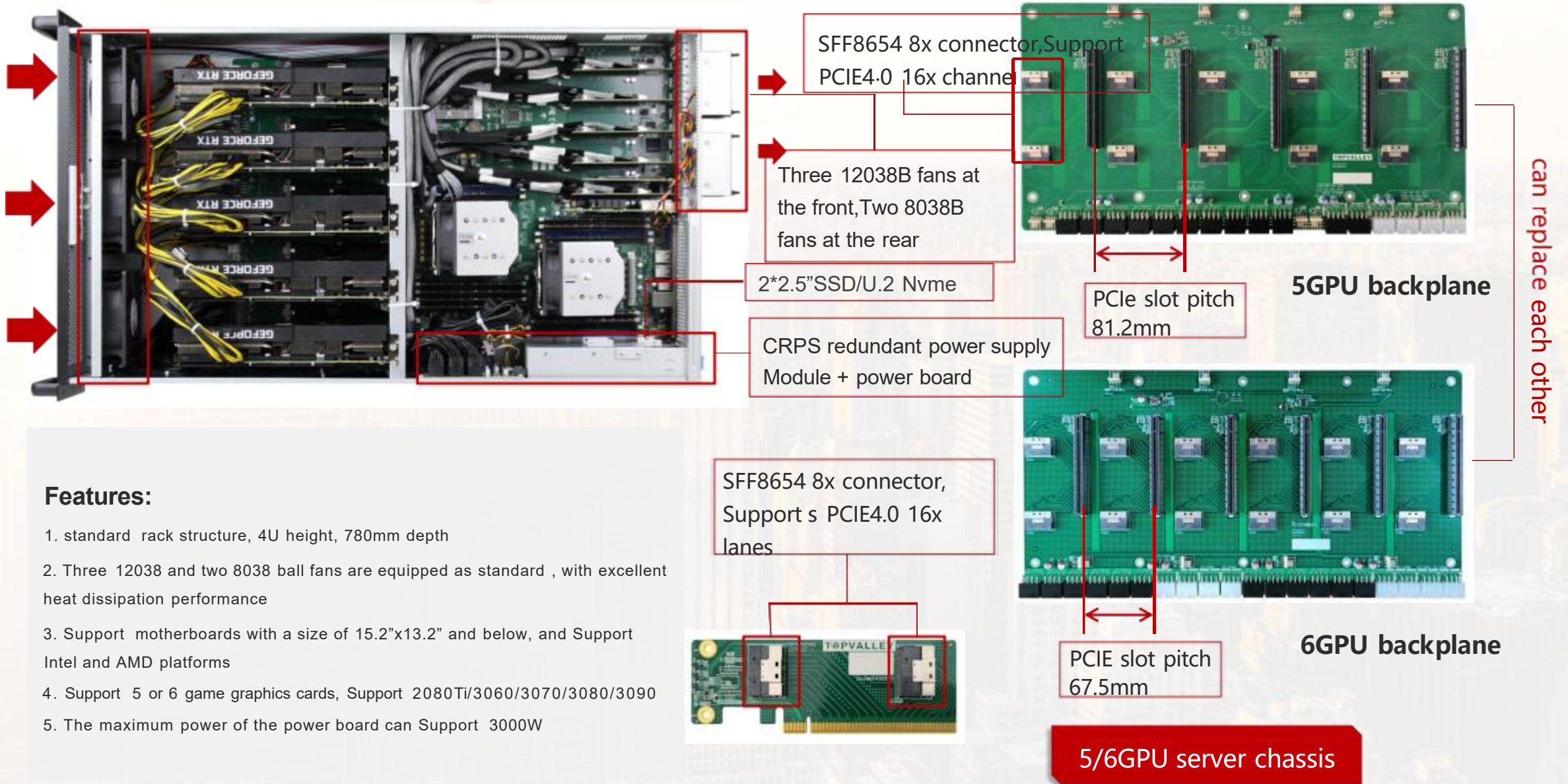


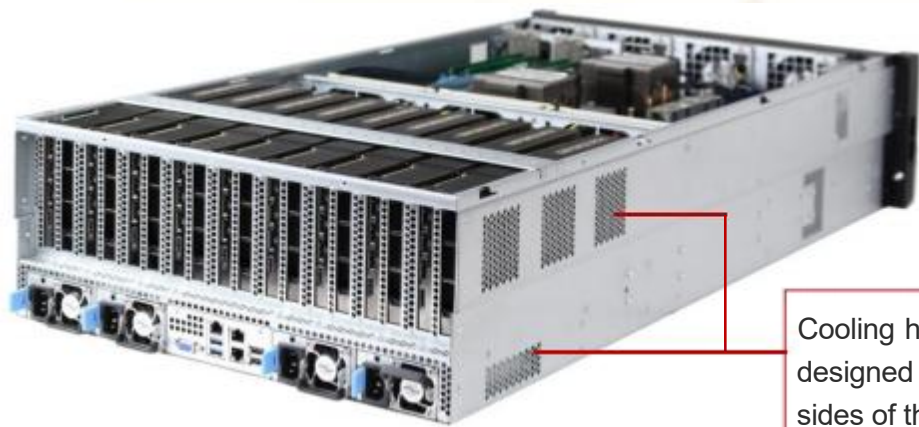
Rear window

Features:

1. standard rack structure, 4U height, 650mm depth
2. Three 12038 and two 8038 ball fans are equipped as standard , with excellent heat dissipation performance
3. Support motherboards with a size of 15.2"x13.2" and below
4. Support 4 double-width graphics cards
5. Support 8/12 hard disks, realize the integration of large-capacity storage and multi-GPU computing





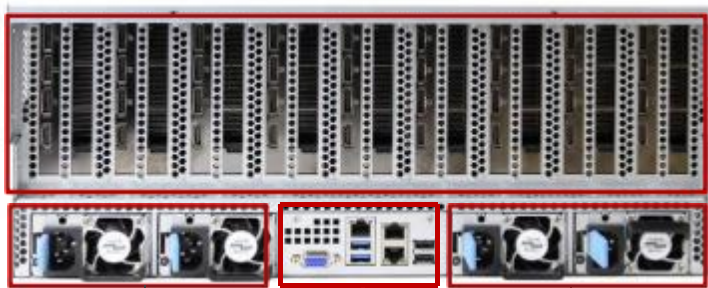


There are four 8038 ball fans on the front panel, three 12038 ball fans on the middle air wall, four 8038 ball fans on the bottom, and four 8038 fans on the rear window, which have excellent heat dissipation channels and can meet the stable operation of the GPU at full load.

Cooling holes are designed on both sides of the chassis

10*PCIE3.0 16X slot, PCIE spacing 47.5mm

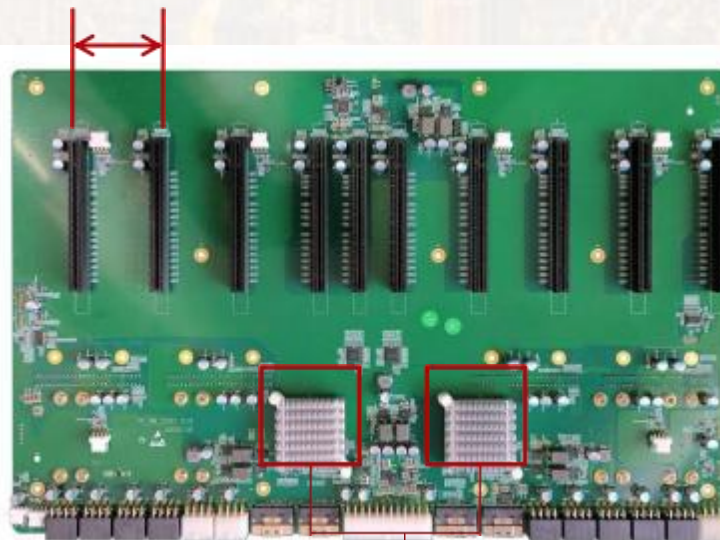
9-card GPU server chassis (Broadcom PEX8796 chipset)



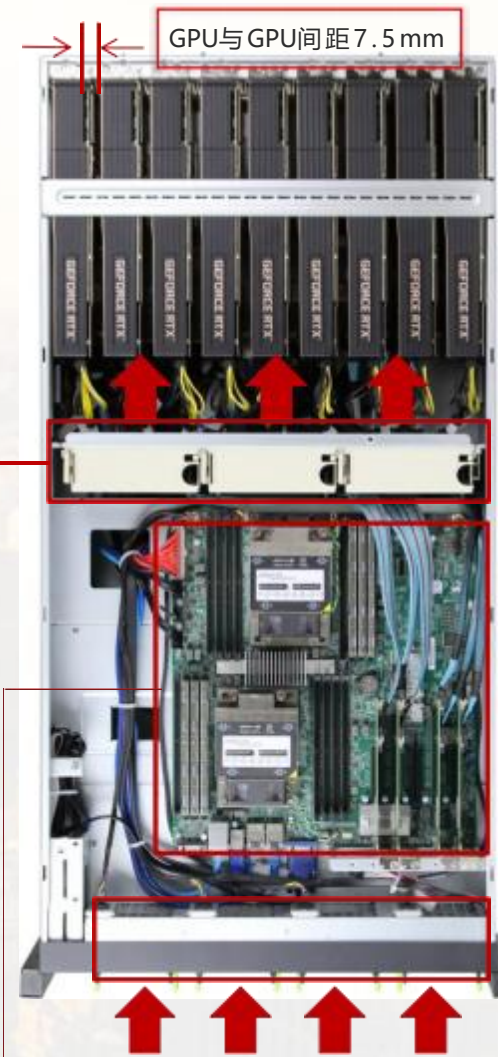
9*Double Wide GPU , Optional 4*8038 fans in rear windows

Support 4 standard CRPS power modules, 3+1 power supply mode, provide stable and reliable high-power power output

1*IPMI , 2*GbE, 1*VGA
2*USB2.0 , 2*USB3.0

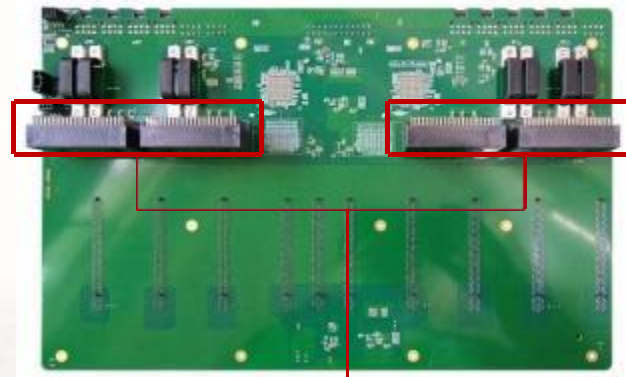


The GPU backplane uses two Broadcom PEX8796 SWITCH chips, and each PEX8796 uplinks PCIe3.0 x16, Supporting a total of 10 PCIe3.0X16 channels.

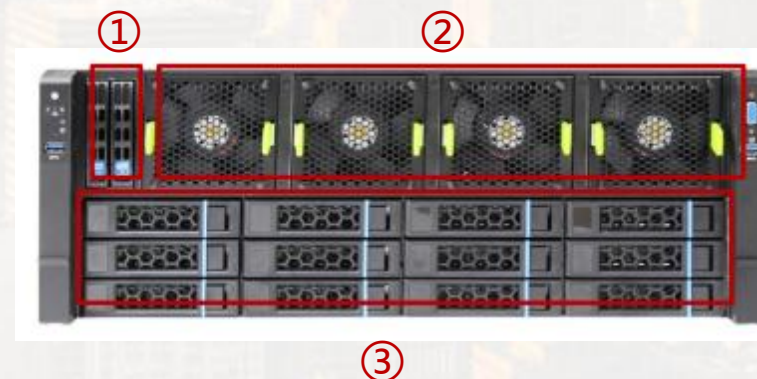
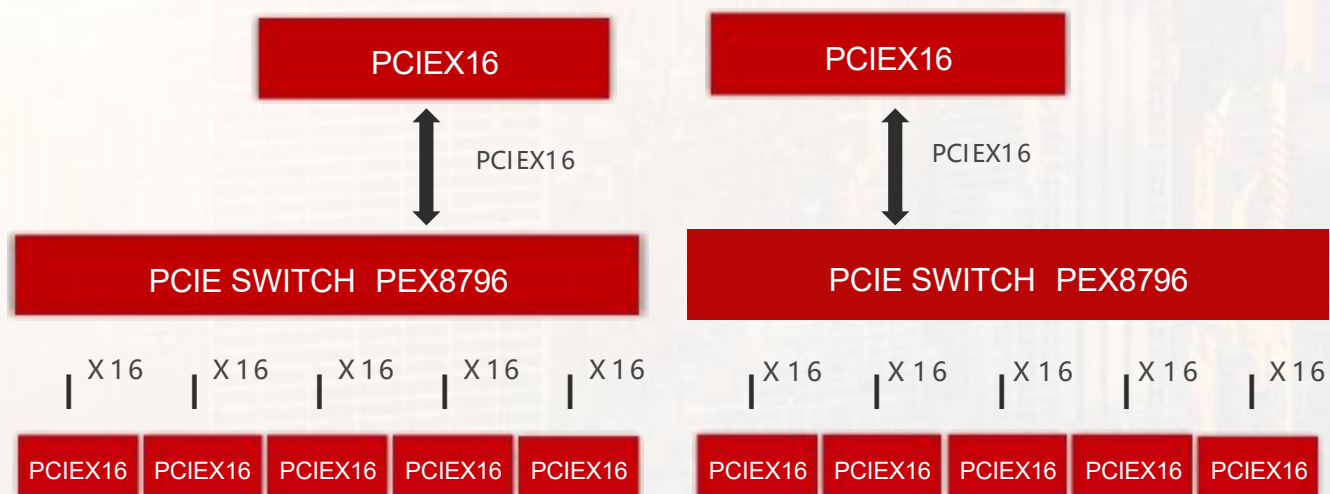


GPU与GPU间距7.5mm

Support s server motherboards of Intel and AMD platforms, up to 12"*13"



The CRPS power module is directly connected to the GPU backplane, with higher stability and reliability

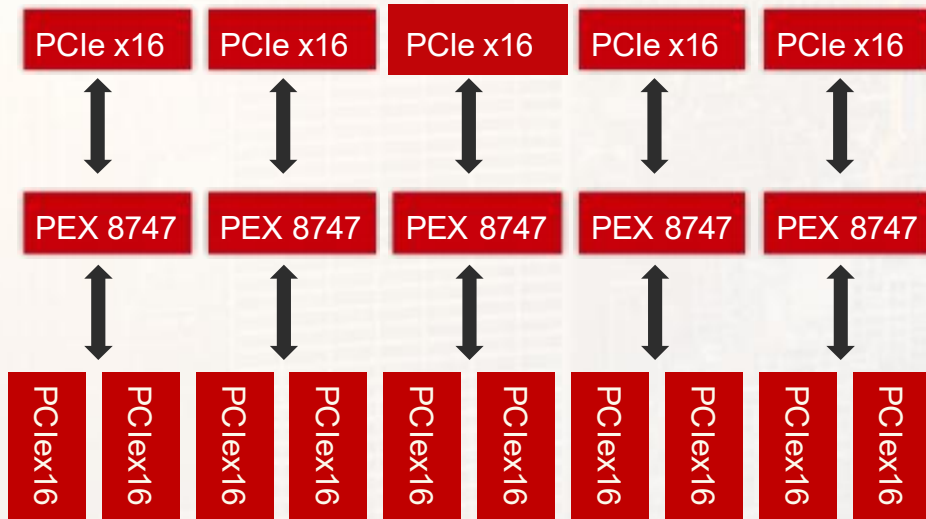


- ①、2x2.5" SSD/U.2 Nvme
- ②、4x8038 ball fans, Support hot swap
- ③、12x3.5" HDD, compatible 2.5" SSD/U.2 Nvme

Broadcom PEX8747 chipset

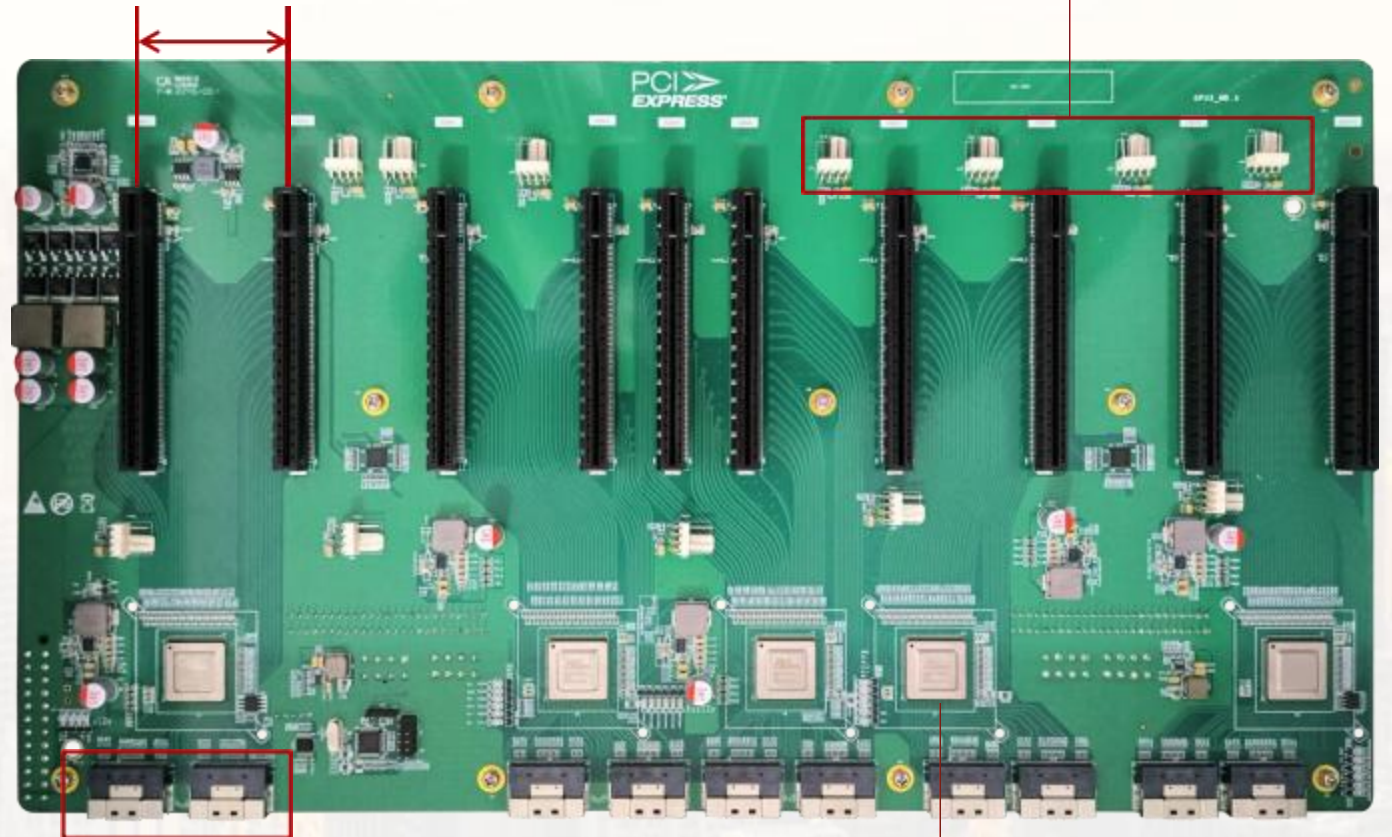
Backplane features :

The GPU backplane is connected to the motherboard through 5 Broadcom PEX8747 SWITCH chips. Each chip supports PCIe3.0 16x channels and has higher upstream bandwidth. It is suitable for occasions where higher bandwidth is required for GPU computing and CPU interaction.



10*PCIe3.0 16X slots , PCIe spacing 47.5mm

12*4pin Fan interface, Support PWM intelligent speed regulation



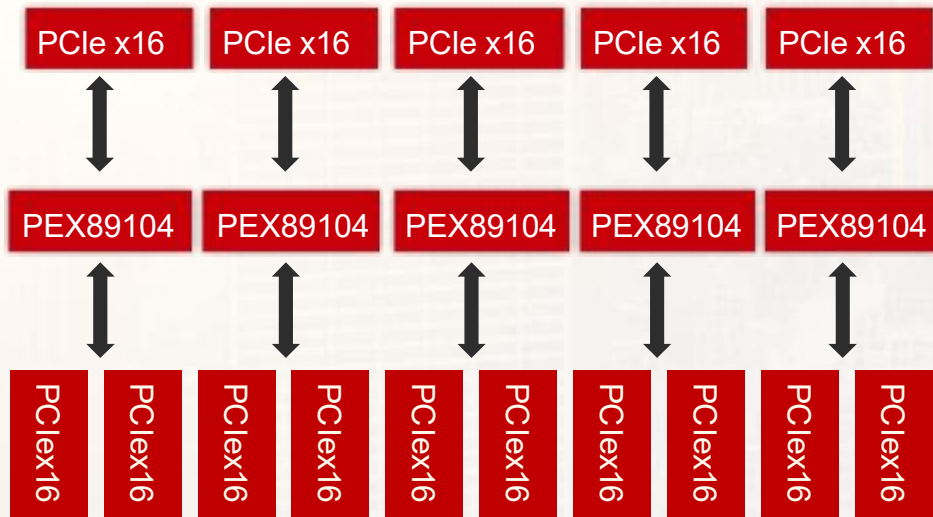
2*SFF8654 8x connectors, Support PCIe3.0 16x lanes

The GPU backplane uses 5 Broadcom PEX8747 SWITCH chips, and each PEX8747 uplinks PCIe3.0 x16, Supporting a total of 10 PCIe3.0X16 channels.

GPU expansion backplane solution

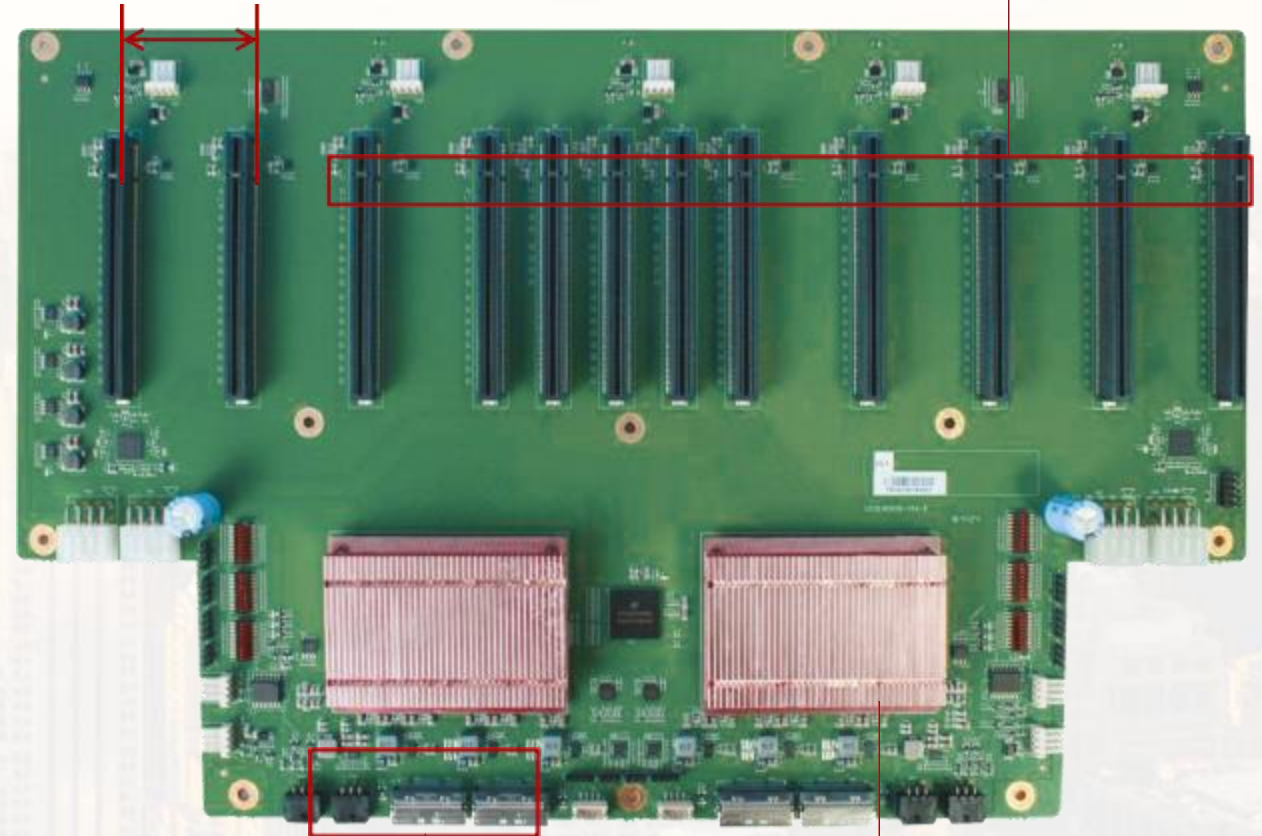
Backplane Feature:

The GPU backplane is connected to the motherboard ,each chip support PCIe 5.0 16X channels and higher bandwidth is required for GPU computing and CPU ineration.



10*PCIe5.0 16X slots, PCIe slot pitch 47.5mm

12*4pin fans , Support PWM



4*MCIO 8x connectors , Support
PCIe5.0 16x lanes

GPU backplane Chip , The unit runs
PCIe5.0 x16 , Total Support 10
PCIe5.0X16 lanes

08 Tower server chassis

- Tower server chassis
- Dual Tower AI Server chassis
- 8164-14-04 Liquid-cooled AI Server Chassis
- 8049ETX-8
- 8049ATX-8



Tower Server Chassis:

474(L) 437.5(W) 176.5(H)mm, The length does not include the plastic panel.

The front door panel adopts hidden air inlet holes, featuring a good heat dissipation air duct.;

4 3.5" HDD in front, 1 front 2.5" HDD/SSD,

Standard 3 9025B fans

Support Motherboards of 12" 9.6" and below,

- 8* Full-height PCI/PCIE expansion slots
- 2* USB 3.0
- standard ATX power supply and 2U CRPS power supply.
- Applied in fields such as cloud storage, cloud computing, big data, security monitoring, etc.





Visualized Operation and Maintenance System

1*Power SW, 1*Reset, 1*Power LED, 1*HDD LED, 2*NIC LED, 2*USB3.0



4 bay hot-swap HDD cages*2



HDD Backplane Support SATA/SAS/Nvme

2*SFF8654 8x, Support PCIE4.0
1*SFF8643, Support 6/12Gb HDD



Scroll Wheel

PCI/PCIE Expansion slots

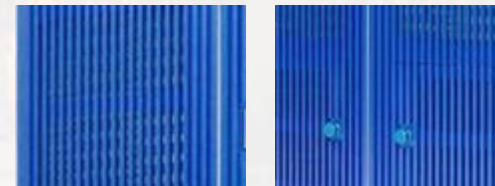
4GPU Rear windows

ATX power supply Bay



Product Features:

- ◆ Dimensions (mm): 540(D) * 370(W) * 550(H).
- ◆ Fan and Radiator Positions: The top of the chassis can support 6 140 fans. The left side of the front of the chassis can support 2 140 fans or 1 280 radiator. The right side of the front of the chassis can support 1*140 fan or 1*140 radiator.
- ◆ It can install 4 GPU game cards.
- ◆ Standard EATX and smaller motherboards.
- ◆ Designed with 11 PCIe full-height expansion slots.
- ◆ 2 ATX power supplies.



Adopt the aluminum alloy panel process.



Visualized Operation and Maintenance System

1*Power SW, 1*Reset, 1*Power LED, 1*HDD LED, 2*NIC LED, 2*USB3.0



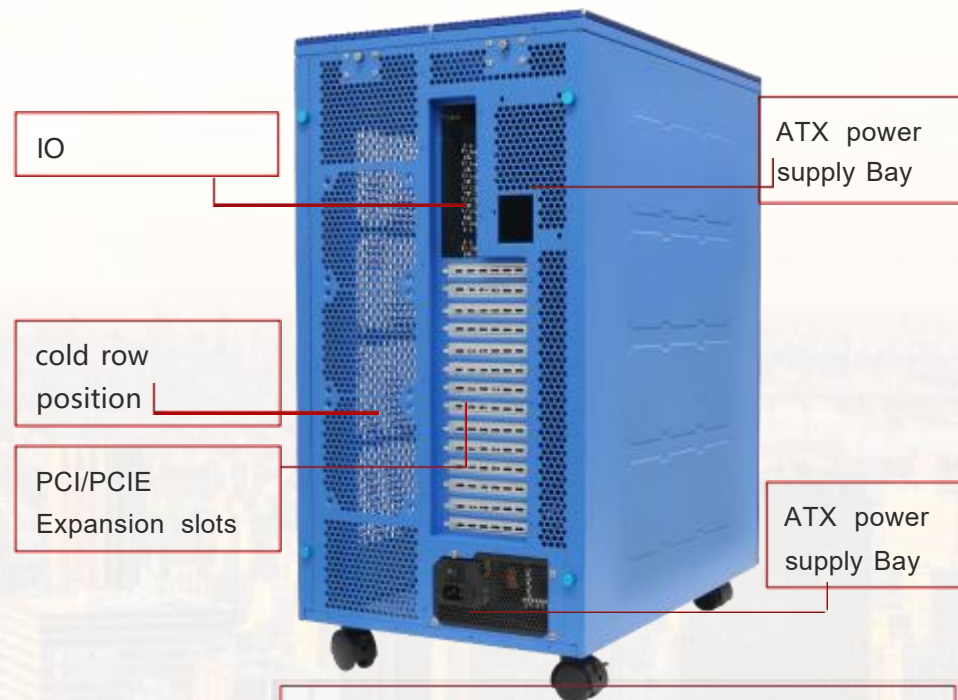
cold row position

LED

cold row position

HDD bays

Scroll Wheel



IO

ATX power supply Bay

cold row position

PCI/PCIE Expansion slots

ATX power supply Bay

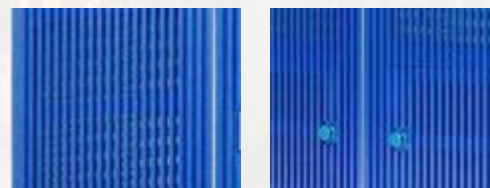


4 bay hot-swap HDD



HDD Backplane Support SATA/SAS/Nvme

2*SFF8654 8x, Support PCIE4.0
1*SFF8643, Support 6/12Gb HDD



Adopt the aluminum alloy panel process.

Product Features:

- ◆ Dimensions (mm): 540(D) * 350(W) * 640(H).
- ◆ Fan and Radiator Positions: The chassis can support 2 cold row positions of 36038 at the top, 2 fan positions for 140-sized fans on the left side, 4 fan positions for 140-sized fans on the right side of the front, 4 cold row positions of 36038 on the right side, and 1 cold row position of 360*38 on the right side of the rear. Standard EATX and smaller motherboards.
- ◆ It can install 4 GPU game cards.
- ◆ Standard EATX and smaller motherboards.
- ◆ Designed with 14 PCIe full-height expansion lots.
- ◆ 2 ATX power supplies.



1*Power SW, 1*Reset, 1*Power LED, 1*HDD LED, 2*NIC LED, 2*USB3.0



The front panel



The hard disk extraction box adopts screw-free design

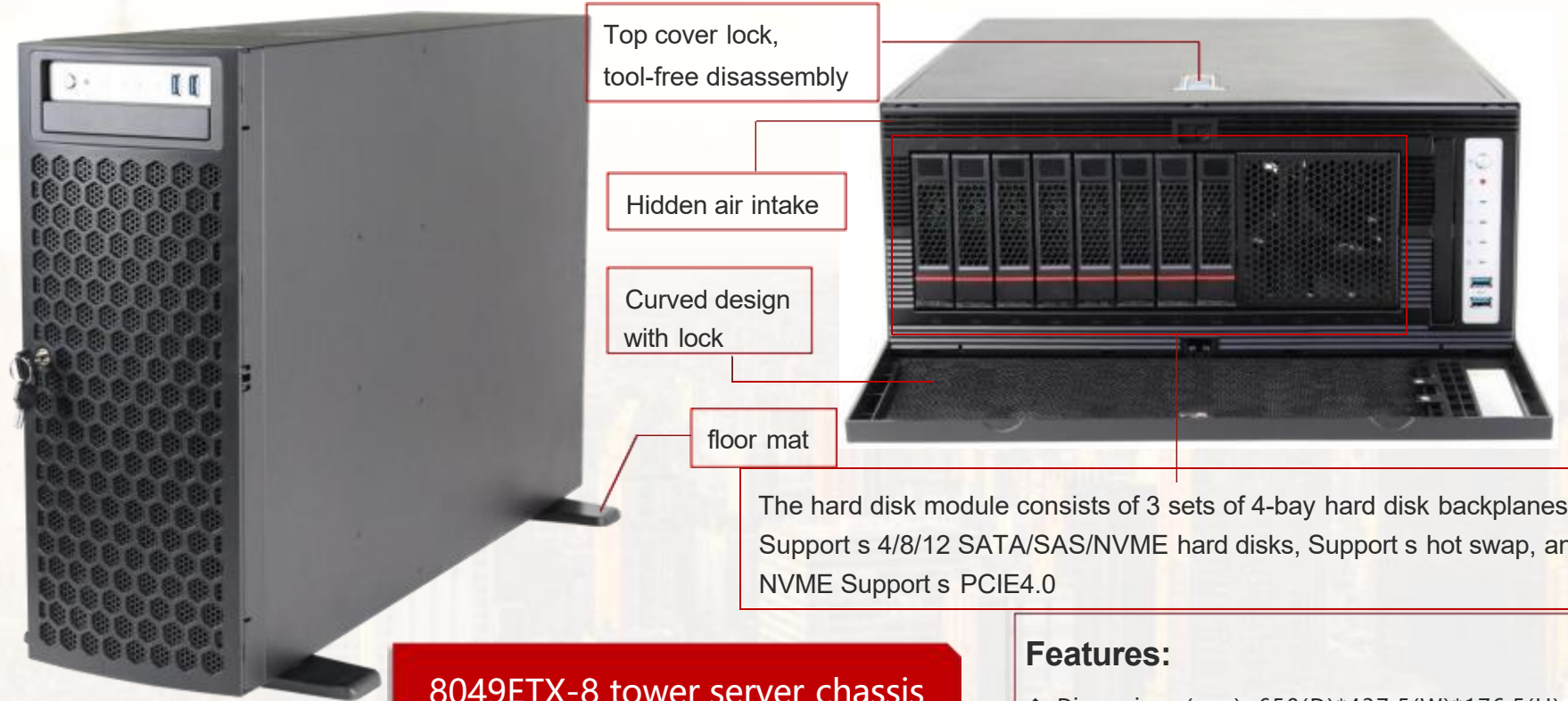


Support s SATA/SAS/Nvme three modes

2*SFF8654 8x, Support PCIe4.0
1*SFF8643



Top cover adopts tool-free installation design, easy to disassemble



Top cover lock, tool-free disassembly

Hidden air intake

Curved design with lock

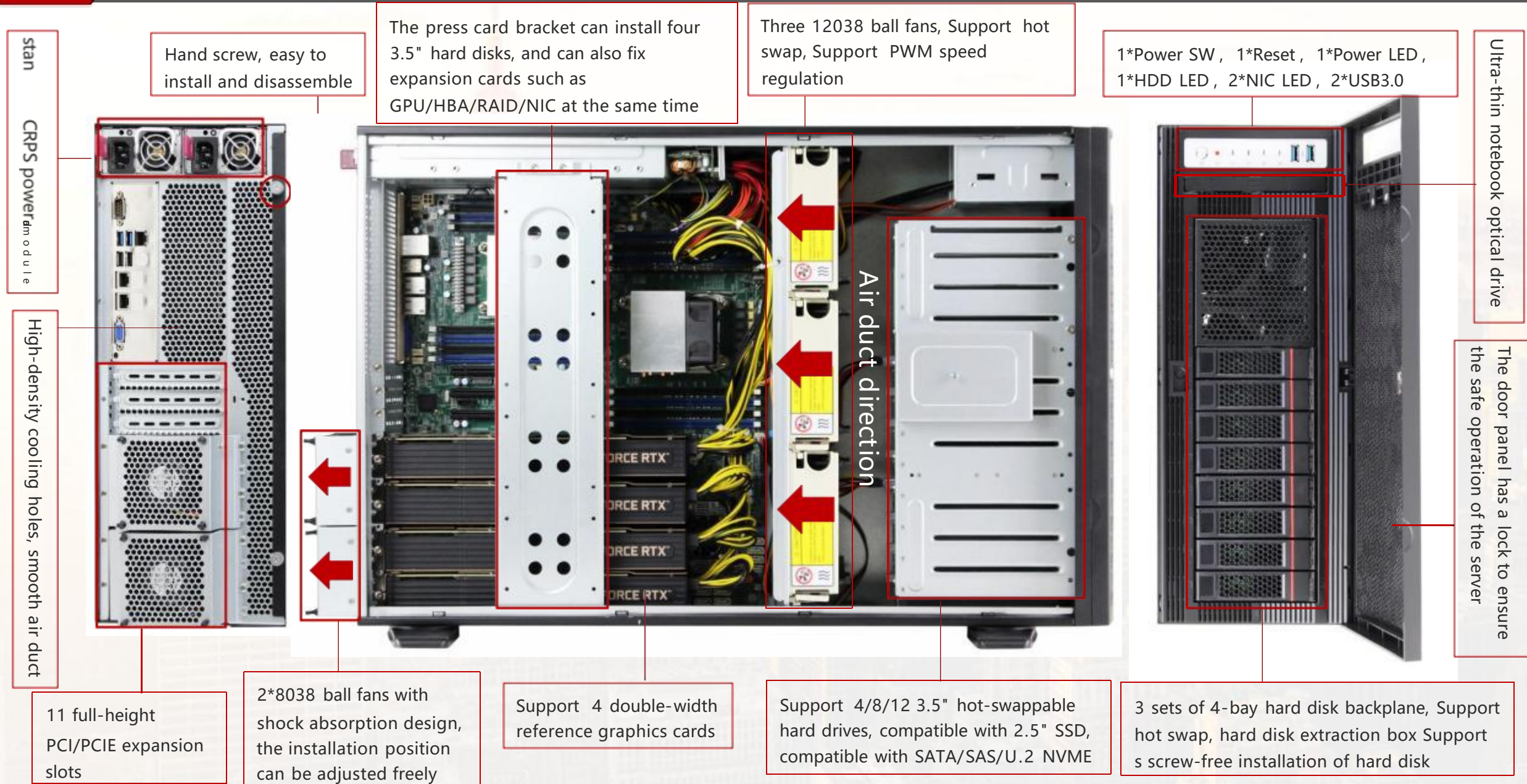
floor mat

The hard disk module consists of 3 sets of 4-bay hard disk backplanes, Support s 4/8/12 SATA/SAS/NVME hard disks, Support s hot swap, and NVME Support s PCIe4.0

8049ETX-8 tower server chassis

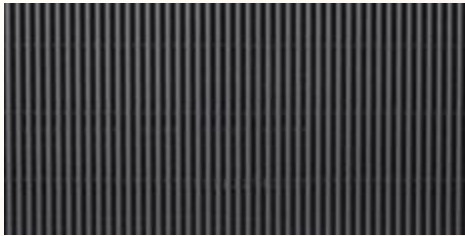
Features:

- ◆ Dimensions (mm): 650(D)*437.5(W)*176.5(H).
- ◆ Support 4/8/12 3.5" HDD, compatible with 2.5" SSD, Support SATA/SAS/U.2 Nvme hard disk.
- ◆ The chassis is equipped with three 12038+2 8038 ball fans as standard , and the front and rear panels are designed with high-density cooling holes, which have excellent cooling air ducts.
- ◆ Support CRPS redundant power supply, and Support motherboards with a size of 15.2" *13.2" and below.





1*Power SW, 1*Reset, 1*Power LED, 1*HDD LED, 2*NIC LED, 2*USB3.0



Front panel adopts hidden cooling air duct



The Hdd extraction box adopts screw-free design

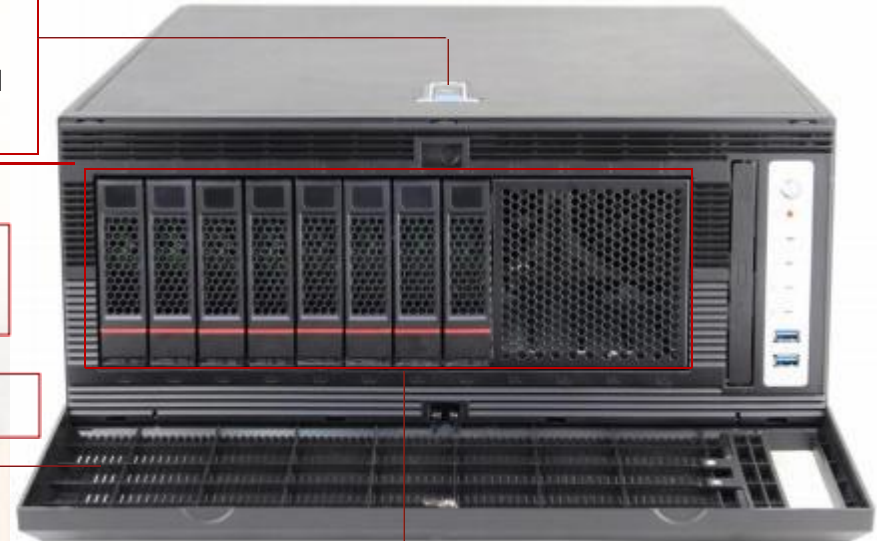


Top cover lock, tool-free disassembly and installation

Hidden air intake slot

door panel with lock

floor mat



The hard disk module consists of 3 sets of 4-bay hard disk backplanes, Support s 4/8/12 SATA/SAS/NVME hard disks, Support s hot swap, and NVME Support s PCIE4.0

8049ATX-8 tower server chassis



Hdd backplane supports SATA/SAS/Nvme

2*SFF8654 8x,
1*SFF8643



Top cover adopts tool-free installation design, easy to disassemble

Features:

- ◆ Dimensions (mm): 650(D)*437.5(W)*176.5(H).
- ◆ Support 4/8/12 3.5" HDD, compatible with 2.5" SSD, Support SATA/SAS/U.2 Nvme hard disk.
- ◆ The chassis is equipped with three 12038 ball fans as standard, and two 8038 fans are optional. The front and rear panels are designed with high-density cooling holes, which have excellent heat dissipation.
- ◆ Support rack installation and vertical installation.

Hand screw, easy to install and disassemble

The press card bracket can install four 3.5" hard disks, and can also fix expansion cards such as GPU/HBA/RAID/NIC at the same time

Three 12038 ball fans, Support hot swap, Support PWM speed regulation

1*Power SW , 1*Reset , 1*Power LED , 1*HDD LED , 2*NIC LED , 2*USB3.0

Ultra-thin notebook optical drive

The door panel has a lock to ensure the safe operation of the server

standard CRPS power module

2*2.5 inch SSD , Support SATA/NVME

8 PCI/PCIE expansion slots

The rear window can be equipped with two 8038 fans

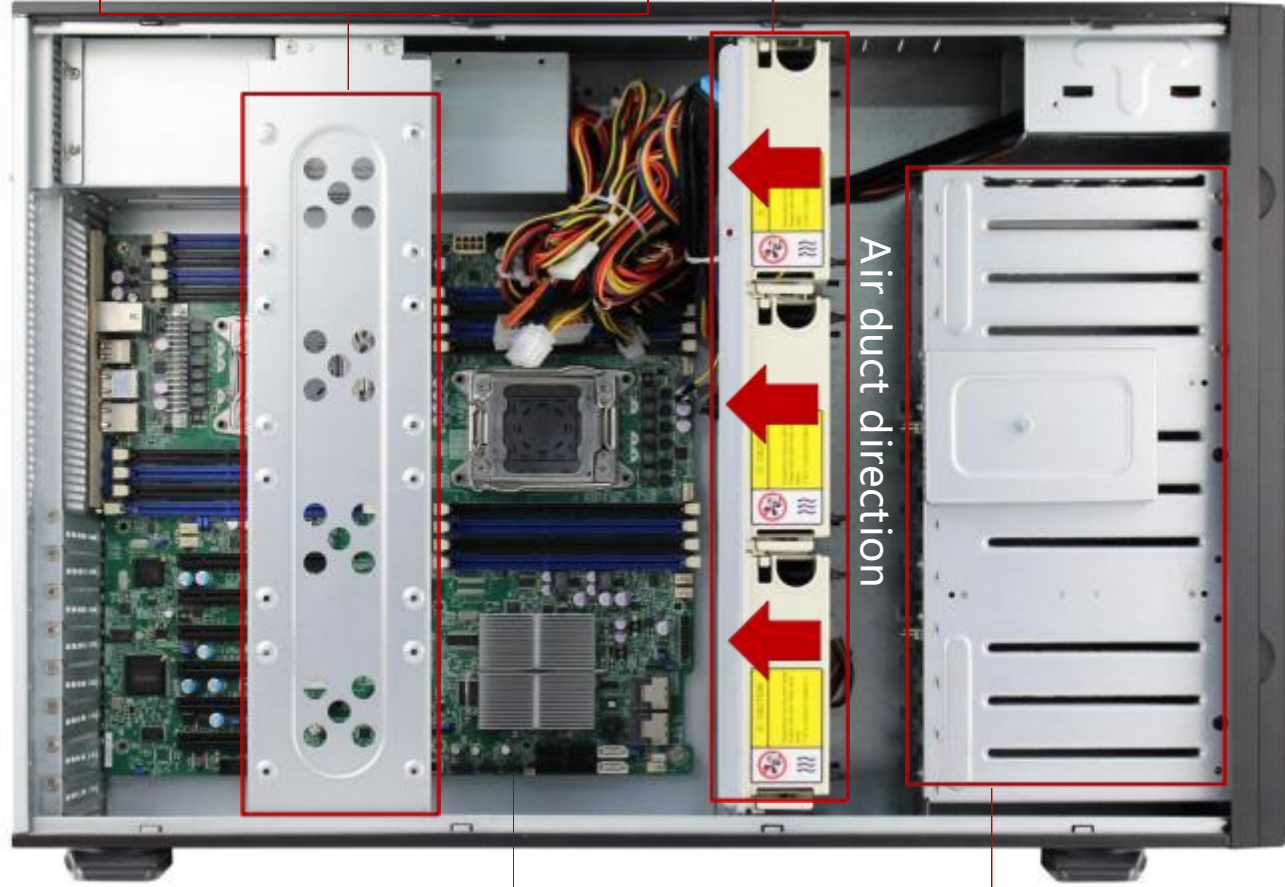
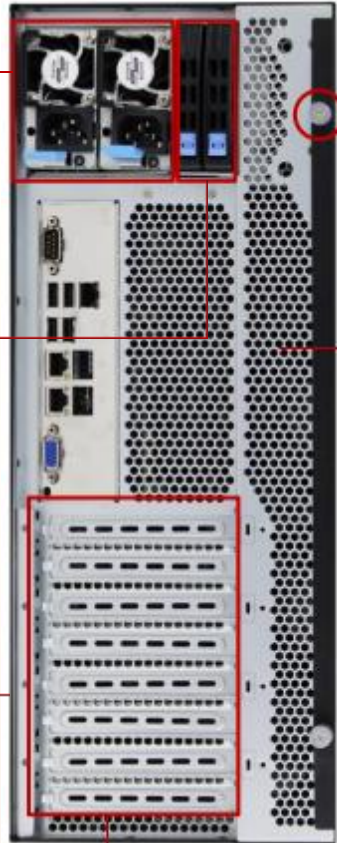
High-density cooling holes, smooth air duct

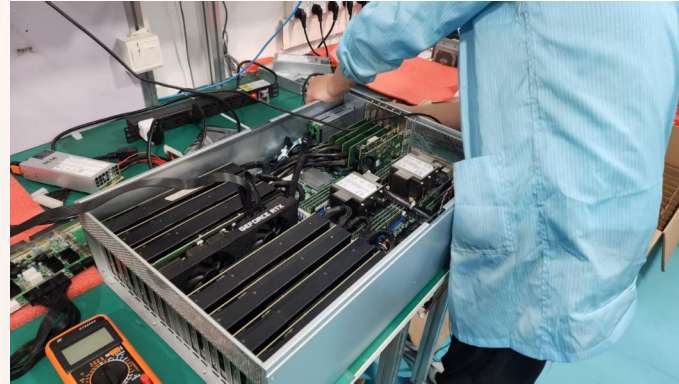
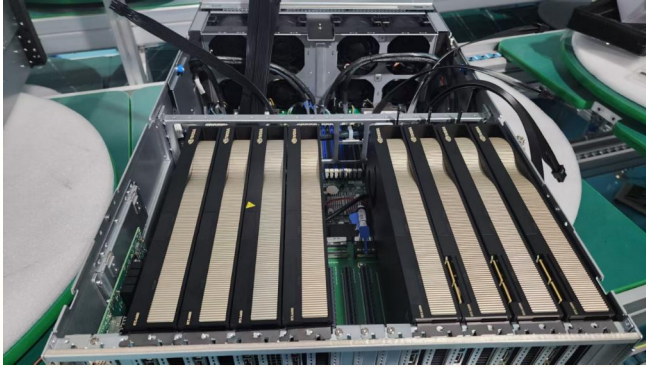
Support motherboards with 12"*13" and below

Support 4/8/12 3.5" hot-swappable hard drives, compatible with 2.5" SSD, compatible with SATA/SAS/U.2 NVME

3 sets of 4-bay hard disk backplane, Support hot swap, hard disk extraction box Support screw-free installation of hard disk

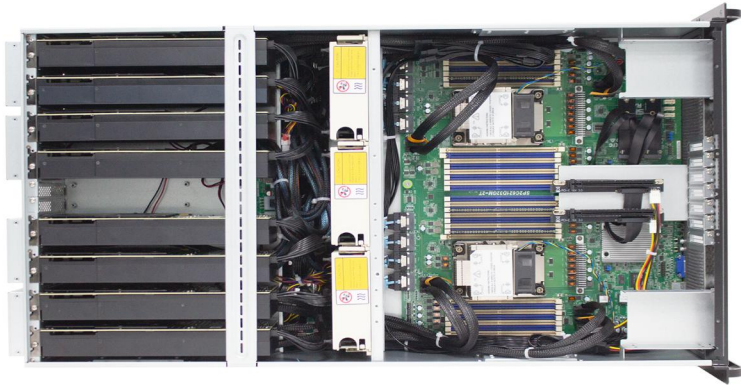
Air duct direction







FT4778-P4测试报告



09 GPU Barebone System

- 8Card Inter Xeon 4th 5th Passthrough Solution
- 10Card Inter Xeon 3th Switch Solution
- 10Card Inter Xeon 4th 5th Switch Solution
- 10Card AMD 7002/7003 Switch Solution

01 Inter Xeon 4th 5th Barebone



Category	Specifications	Pcs
Chassis	G-4808-P5-ASROCK	1
PSU Cable	4 + 1 Psu Board + Wire Kit (Wiring Options for 30 Series/40 Series)	1
Riser Card 1	PCIE5.0 Riser :PCBA - 2*MCIO 8X straight,L350MM +MX3.0 2*2P,L260MM	6
Riser Card 2	PCIE5.0 Riser: PCBA - 2*MCIO 8X straight,L560MM +MX3.0 2*2P,L260MM	2
Riser Card 3	PCIE5.0 Riser: PCBA - 1*MCIO 8X straight,L560MM +MX3.0 2*2P,L260MM	2
Motherboard	ASRock Rack SP2C741D32G-2L+ Inter Xeon 4th 5th	1
PSU	CRPS 1600W PSU Modules+Cables	5

10*PCIE 5.0 X16 connector,
1*PCIE 4.0 X8 connector,
1*PCIE 3.0 X8 connecto,

02 Inter Xeon 3th Barebone



Category	Specifications	Pcs
Chassis	G4838-SE12-HKW Chassis	1
Gpu Board	10 Card GPU Board (PCB)426*233*1.8MM Switch Chip Model:SATRS62104 PCIE4.0	1
Psu Board	4 + 1 Psu Board + Wire Kit (Wiring Options for 30 Series/40 Series)	1
Riser Card 1	Retime card,PCIE4.0 X16,Supports PCIE Split	2
Cable	SLIMSAS 8654 8X Turn 8654 8X Cable Length:550MM	4
Motherboard	Inter Xeon 3th Dual-channel motherboard	1
PSU	GW-CRPS1300D2+Cables	5



4 *PCle 4.0 x16,
2 *PCle 4.0 x8

03 Inter Xeon 4th 5th Barebone



Category	Specifications	Pcs
Chassis	G4838-SE12-HKW Chassis	1
Gpu Board	10 Card GPU Board (PCB)426*233*1.8MM Switch Chip Model:BroadcomPEX89104 PCIE5.0	1
Psu Board	4 + 1 Psu Board + Wire Kit (Wiring Options for 30 Series/40 Series)	1
Riser Card 1	Retime card,PCIE5.0 X16,Supports PCIE Split	2
Cable	MCIO 8X Turn MCIO 8X Cable Length:550MM	4
Motherboard	Inter Xeon 4th 5th Dual-channel motherboard	1
PSU	GW-CRPS1600D2+Cables	5

4 *PCle 5.0 x16,
2 *PCle 5.0 x8

04 AMD 7002/7003 Barebone



Category	Specifications	Pcs
Chassis	G4838-SE12-HKW Chassis	1
Gpu Board	10 Card GPU Board (PCB)426*233*1.8MM Switch Chip Model:SATRS62104 PCIE4.0	1
Psu Board	4 + 1 Psu Board + Wire Kit (Wiring Options for 30 Series/40 Series)	1
Riser Card 1	Retime card,PCIE4.0 X16,Supports PCIE Split	2
Cable	SLIMSAS 8654 8X Turn MCIO 8X Cable Length:550MM	4
Motherboard	AMD 7002/7003 Dual-channel motherboard	1
PSU	GW-CRPS1300D2+Cables	5



3 *PCle 4.0 x16,
3 *PCle 4.0 x8

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jwipcc

Aisino 航天信息

A background image of a server room with rows of black server racks. The racks are filled with equipment, and blue indicator lights are visible on the front panels. The perspective is looking down a central aisle between the racks.

Thank you

 SHENZHEN, CHINA

 0755-27975025

 www.toploong.com