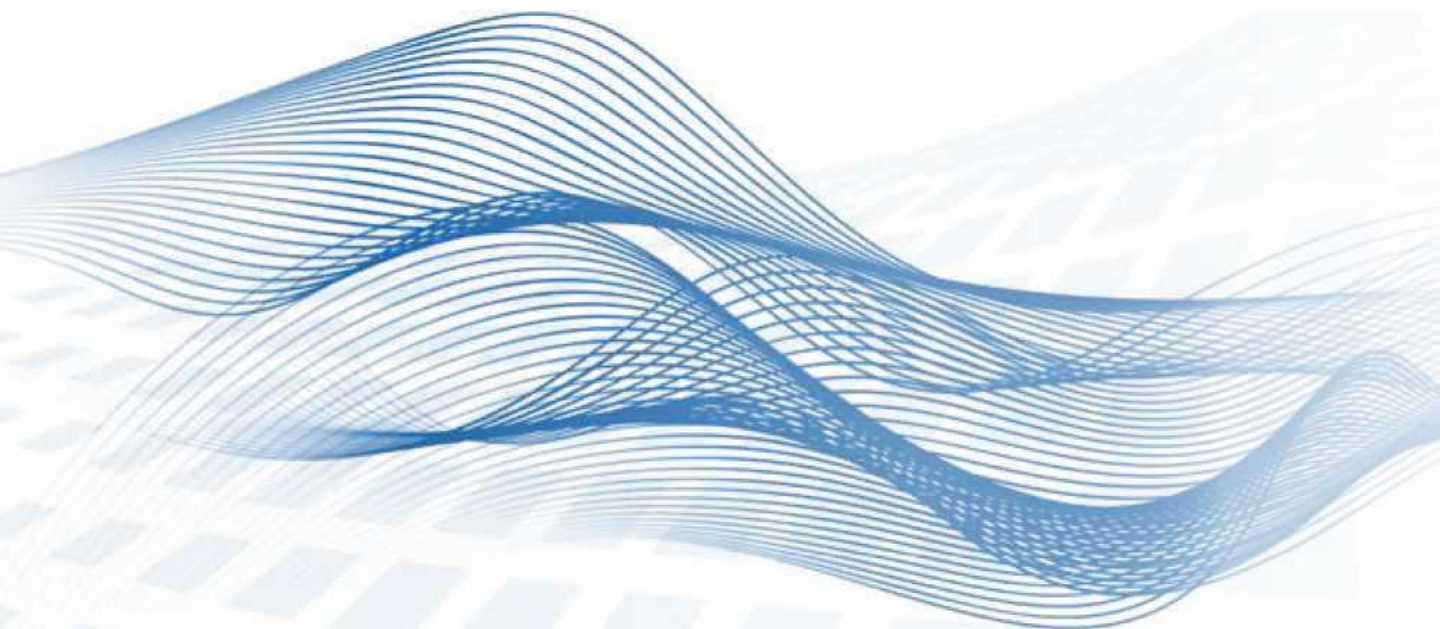


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# X86 Server

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## Intel E Series TA1285C / TA1285C4 / TA2285C

TA1285C/TA1285C4/TA2285C is a single-socket high-performance departmental server, using Intel®C236 chip-set, supporting innovative Intel- i3/i5/i7/i9 8/9 generation processors, Intel® Xeon®-E- 2100/2200 processor, this model supports 128GB memory capacity, standard 3.5-inch SATA hard disk, and can flexibly expand PCI-E devices.

### Product Highlights

- **Intel® i3/i5/i7/i9 8/9 generation processors, Intel® Xeon®-E-2100/2200 processors:** Support hyper-threading technology, up to 16 threads when the heart is full; support virtual device input/output.
- **Fast channel - DMI bus:** DMI is a point-to-point connection technology that replaces the front-side bus (FSB); DMI adopts the serial mode as signal transmission, and adopts LVDS (low-voltage differential signaling technology, which is mainly used for high-speed digital signal interconnection, so that the signal can be transmitted in hundreds of Mbps and above) signaling technology; reliability, practicality and applicability features guarantee high availability of DMI; 20-bit wide DMI has a staggering 25,6GB per second bandwidth per connection, far from FSB comparable.
- **Virtualization Technology VT:** Supports virtualized device input/output (VT-d)—adding virtualization of device input/output based on the previous virtualized CPU, which can effectively improve the performance and efficiency of virtual machines. It provides a strong guarantee for the integration of servers, the migration of original data and the age of security.
- **Configure on demand:** Root According to the actual needs of users, provide the best configuration options.
- **High Availability:** With the processor Hyper Threading technology, it supports multi-threading and multi-tasking mode.
- **Suitable for a variety of application environments:** It is suitable for small and medium-sized network applications of small and medium-sized enterprises and users in education, government, military, postal, railway, finance and other industries. The server can be used as an e-mail server, WEB server, gateway, and small and medium-sized database application server in the network.

### Technical Specification



Feature	TA1285C	TA1285C4	TA2285C
Physical Properties	1U rack mount		2U rack mount
CPU	Intel® i3/i5/i7/i9 8/9 generation processor, IntelXeon-E-2100/2200 series CPU (LGA1151)		
Chip-set	Intel® C246 Chipset Platform Controller Hub (PCH)		
Intel® DMI Speed	8 GT/s DMI3		
RAM	DDR4 ECC/Unbuffered (UDIMM) 2666MHz RAM, maximum support 128GB		
Memory Error Detection	Fix single-bit errors, detect double-bit errors		
Hard Disk	Shishi'bayezhi ufguim supports 4 hot-swappable 3.5/2.5-inch hard drives+2	Supports 3 1 non-hot-plug 3.5/2.5-inch hard drives, built-in 2.5-inch non-hot-plug hard drives	Supports 8 3.5/2.5-inch hot-swappable hard drive bays and 1 built-in 3.5/2.5-inch non-hot-swappable hard drive bay (the motherboard has 8 native SATA ports, if you want to fully configure 8+1, you need to add a SAS card or RAID card)
SATA RAID	Support RAID 0, 1, 10, 5 (Only Windows)		
Display	Aspeed AST2500 BMC		
CD-ROM	One SATA interface thin optical drive		
PCIE Extension	2 PCI-E 3.0x8 (in x16), 1 PCI-E 3.0x4 (in x8)		2 PCI-E 3.0 x8 (in x16), 1 PCI-E 3.0 x8 (in x8) Supports 1 full-height full-length double-width PCI-E*16 graphics card
Network Card	Integrated Intel. 210-ADR Dry Gigabit Ethernet Server Card		
Board	Integrated BMC module, Chinese version BIOS and BMC, support IPMI2.0, provide a 10/100 Mbps RJ45 management network port, support 1KVM, support remote management		
Power Supply	300W server dedicated power supply	300W server dedicated single power supply, optional 450W1+1 redundant power supply	350W server dedicated single power supply, optional 550W1+1 redundant power supply

## Intel E Series TA1280C / TA1280C4 / TA2280C / TA6280C

It is suitable for small and medium-scale network applications for small and medium-sized enterprises and users in education, government, postal services, railways, finance and other industries.

The server can be used as an e-mail server, WEB server, gateway, small and medium database application server, etc. in the network. It is the best choice for applications in enterprise information construction, e-government affairs, and campus information.

### Product Highlights

- **Intel-i3 8/9th generation processors, Intel Xeon-E-2100/2200 processors:** Supports hyper-threading technology, up to 16 threads at 8 cores; supports visualized device input/output.
- **Fast channel - DMI bus:** DMI is a point-to-point connection technology that replaces the front-side bus (FSB); DMI adopts the serial mode as signal transmission, and adopts WDS (low-voltage differential signaling technology, which is mainly used for high-speed digital signal interconnection, so that the signal can be transmitted in hundreds of Mbps or more) signaling technology; reliability, practicability and applicability guarantee the high availability of DMI; the bandwidth of 20-bit wide DMI can reach an astonishing 25.6GB per second per connection, which is far from comparable to FSB.
- **Virtualization Technology VT:** Supports virtualized device input and output (VT-d)—adding virtualization of device input and output on the basis of the previous virtualized CPU, which can effectively improve the performance and efficiency of virtual machines. It provides a strong guarantee for server integration, original data migration and security.
- **Configure on demand:** According to the actual needs of users, provide the best configuration options.
- **Advanced chassis design process:** The intelligent cooling system is adopted to effectively reduce noise pollution and create a constant temperature space for the box; fully shielded against electromagnetic radiation, anti-interference, and anti-static (EMI) design.
- **High Availability:** With the processor Hyper Threading technology, it supports multi-threading and multi-tasking mode.

### Technical Specification



Feature	TA1280C/TA1280C4	TA2280C	TA6280C
Physical Properties	1U rack mount	2U rack mount	tower
CPU	Intel® 13 8/9th Generation Processor, Intel® Xeon®-E-2100/2200 Series CPU (LGA1151)		
Chip-Set	Intel® C242 Chipset Platform Controller Hub (PCH)		
Intel® DMI Speed	8 GT/s DM13		
RAM	DDR4 ECC/Unbuffered (UDIMM) 2666MHz RAM, maximum support 128GB		
Memory Error Detection	Fix single-bit errors, detect double-bit errors		
Hard Disk	RX1280C supports 3 non-hot-swap 3.5/2.5-inch hard drives; PR1280C4 supports 4 3.5-inch hot-swap hard disk bays and 2 2.5-inch non-hot-swap hard drive bays	Supports 8 3.5/2.5" hot-swap hard drives and 1 built-in 3.5/2.5" non-hot-swap hard drives (the motherboard has 6 SATA interface, if you need to mix it, you need to add a SAS card or a RAID card)	Standard supports 4 non-hot-swappable 3.5/2.5-inch hard disk bays, optional supports 4-bit hot-swappable hard disk modules
SATA RAID	Support RAID 0, 1, 10, 5(Only Windows)		
Show	Aspeed AST2500 BMC		
CD-ROM	One SATA interface thin optical drive		
PCI-E Extension	2PCI-E 3.0x8 (in x16)	2 PCI-E 3.0 x8 (in xl 6)	2 PCI-E 3.0 x8 (in XI6), 2 PCI-E 3.0 x4 (in x8)
Network Card	Integrated Intel. 210-AT Dual Gigabit Fast Ethernet Server Card		
Manage	Integrated BMC module, Chinese version BIOS and BMC, support IPMI2.0, provide a 10/100 Mbps RJ45 management network port, support iKVM, support remote management		
Power Supply	300W server dedicated power supply RX1280C4 optional 450W 1+1 redundant power supply	350W server dedicated single power supply, optional 550W1+1 redundant power supply	350W dedicated tower power supply for servers, optional 550W1+1 redundant power supply



## TA1510P / TA1710P

Latest 1U Server products, supporting 2nd generation Intel Xeon® Scalable series processors, up to memory capacity 2TB ,Default support 4 block hot swap 3.54/2.5 inch Hard disk, optional support 10 disk version, and can be flexibly extended full-height and half-length PCI •E equipment. The highly integrated design brings strong performance in a limited space, enough to support the operation of critical tasks. Provides advanced management functions and storage technology with reliable scalability and high availability.

## Application

- **Internet Service Provider:** Applicable to cloud computing, virtualization applications, big data analysis, online games, mail and information processing, web search; intelligent, large-scale virtualization and large-scale node technology computing; optimized rack, 1U form factor, help users to large-scale Cluster solutions for rapid deployment and efficient maintenance.
- **Growing Data Center:** Up to 140% better performance than the previous generation with better energy efficiency.
- **Cloud Computing Solutions:** Pass Eliminate I/ by improving security. Bottleneck, optimize density and performance, provide reliable virtual resources, solve storage challenges caused by explosive data growth, and provide the most excellent and reliable solutions for private, public and hybrid clouds.

## Product Highlights

- **high performance:** It supports up to 2 second-generation Intel® Xeon® Scalable series processors, which can provide powerful computing power and help users cope with heavier computing pressure. Supports Intel AVX-512 Advanced Arrow Star Extended Instruction Set, providing faster speed for high-load operations of enterprise-class products and high-performance servers.
- **High reliability:** Supports 4 hot-swap 3.5"/2.5" SATA/SAS/SSD hard drives, optional built-in 2 25-inch SSDs. (The choice of SAS hard disk requires the choice of SAS version, or optional SAS expansion kit); optional support for high reliability RAID5, improve data processing performance and data protection functions. ; Adopt intelligent cooling system to effectively reduce noise pollution and create a constant temperature space for the cabinet; fully shielded anti-electromagnetic radiation, anti-interference, anti-static (EMI) design; supports Intel® Communication Acceleration Technology (Intel® QAT) to provide safe high-performance and Accelerated compression, realizing network, cloud service and storage functions provides reliable protection for virtual and cloud environments; optional support for 1+1 full redundant power supply, PMBUS power consumption monitoring, module loss alarm and other functions, The operation security of the server provides a higher security guarantee.
- **Low power consumption:** Support frequency reduction function, which can reduce system energy consumption at low load; comprehensively adjust fan speed according to the temperature of thermal key components, save energy, reduce noise and improve fan reliability; support PDCM (Power Efficiency Manager), provide automated server functions Consumption control helps to complete more tasks with less resources.

## Technical Specification



Feature	TA1510P	TA1710P
Processor	2nd Generation Intel. Xeon. Scalable Family of Processors	
RAM	8 DIMM slots, support 2933MHz DDR4 RDIMM memory, up to 1TB	16 DIMM slots, support 2933MHz DDR4 RDIMM memory, maximum support 2TB, optional support AEP memory
Hard Disk	Front: can support 4 2.5/3.5-inch SAS/SATA/SSDfi*a Built-in: can support 2 2.5-inch SSD hard drives, 1 PCI-EM.25SD	Front: Supports 4 (default) 2.5/3.5-inch SAS/SAIA/SSD® disks, or 1g2.1-inch SAS/5AIA/SSD?® disks; Built-in: supports 2 2.5-inch SSD® disks (4 disks bit model)
Raid Support	SATA RAID is supported. , 1, 10, 5, optional support for SAS RAID. ,1, , 10, 5, 50, 6, 60, etc., RAID no cache/1GB/2GB cache, optional cache power-down protection	
Onboard Network	Integrated 2 Intel X722 Gigabit GE network ports; optional external dry and 10 Gigabit network cards	USB2.0 interface: 1 (internal 1); USB3.0 interface: 5 (front 2, rear 3) VGA interface: 1 (rear 1); management network port: 1 ( 1 rear)
PCIE Extension	Provides 1 half-height PCI-E3.0X8 expansion slot by default	Provided by default 2 PCI-E3.0^ standard slots, 1 OCP dedicated slot (PCI-E3.0): PCI-E slot 2 (CPU0 bow I out): 1 basket high PCI-E3.0x^ g slot (away); PCI-E 3 (CPU1 lead): 1 basket high PCI-E3.0x16 slot (default 12; OC pass slot (CPU0 lead): 1*TypeA/Cmm (default)
Other Ports	USB2. Lazy port: & (2 in the rear); USB3. Deng port: 3 (2 in the front, 1 in the inner); National port: 1 (1 Pina); Pina 1)	USB2.0 interface: 1 (internal 1); USB3.0 interface: 5 (front 2, rear 3) VGA interface: 1 (rear 1); management network port: 1 ( 1 rear)

TA1510P / TA1710P



Feature	TA1510P	TA1710P
Fan		
Power Supply	Standard S2600W gold server single power supply, optional 450W1+1 gold hot-swap redundant power supply, support 240V high-voltage DC power supply	One 550W Platinum AC power module is standard; it supports 1+0 single power supply mode, or 1+1 redundant power supply mode; the power module can choose 550W/800W/1200W Platinum AC power supply module, and 800W DC-48V power supply module
Manage	Support IPMI2.0, provide 1 100/1000 Mbps RJ45 management network port, support iKVM remote management	
Display Controller	Integrated Aspeed A5T2500	
power supply	Optional SATA/USB interface optical drive, SD card	Optional SATA/USB interface optical drive

## TA2510P2 / TA2710P / TA2710W

The latest 2U server product from us uses Intel high-performance chip-set, supports second-generation Intel Xeon Scalable series processors, supports up to 2TB of memory capacity, and supports 8 hot-swappable 3.5-inch hard drives by default. Optional support for 12-disk/24-disk version, and optional expansion of full-height full-length PCI-E devices. The highly integrated design brings strong performance in a limited space, enough to support the operation of critical tasks. Provides advanced management functions and storage technology with reliable scalability and high availability.

## Application

- **Internet Service Provider:** Applicable to cloud computing, virtualization applications, big data analysis, online games, mail and information processing, web search; intelligent, large-scale virtualization and large-scale node technology computing; optimized rack, 1U form factor, help users to large-scale Cluster solutions for rapid deployment and efficient maintenance.
- **growing data center:** Up to 140% better performance than the previous generation with better energy efficiency.
- **Cloud Computing Solutions:** Pass Eliminate I/ by improving security. Bottleneck, optimize density and performance, provide reliable virtual resources, solve storage challenges caused by explosive data growth, and provide the most excellent and reliable solutions for private, public and hybrid clouds.

## Technical Specification



Feature	TA1280C/TA1280C4	TA2280C	TA6280C
Form	2U rack server		
Processor	2nd Generation Intel Xeon Scalable Family of Processors		3rd Generation Intel® Xeon S Scalable Series Processor, Ice Lake-SP TDP 205W
RAM	8 DIMM slot that supports 2933MHz DDR4 RDIMM memory up to 1TB	16 DIMM slots, support 2933MHz DDR4 RDIMM memory, support up to 2TB, optional support AEP memory	16 DIMM slots, support 3200MHz DDR4 RDIMM/L-RDIMM/BPS memory, support up to 2TB, optional support for BPS memory
Hard Disk	Front: Can support 8 2.5/3.5-inch SAS/SATA/SSD hard drives Internal: 1 ↑ PCI-EM.2 SSD postposition: Can support two 2.5-inch SAS/SATA/SSD hard drives, or two 2.5-inch hard drives U.2 SSD hard drive	Front: Supports 8 (default) / 12 2.5/3.5" SAS/SATA/SSDsHard drives, or 24 x 2.5-inch SAS/SATA/SSD hard drives Built-in: Supports two 2.5-inch SAS/SA1A/SSD hard drives, or 2.5 inch U.2 SSD hard drive Rear: Supports two 2.5-inch SAS/SATA/SSD drives, or two 2.5-inch U.2 SSD drives	Front: Can support 8 (default) or 12 2.5/3.5 - inch SAS/SATA/SSD hard drives, or 24 2.5 - inch SAS/SATA/SSD hard drives Built-in: can support two 2.5 - inch SAS/SATA/SSD hard drives, or two 2.5 - inch U.2 SSD hard drives Rear: Up to two 2.5 - inch SAS/SA1A/SSD hard drives, or two 2.5 - inch U.2SSD hard drives Internal: 1 XM.2 (2280) 1 x Micro-SD Note: Onboard U.2 SSD is not supported when the last CPU
Raid Support	Supports SATA RAID. , 1, 10, 5, optional support SASRAID0, 1, 10, 5, 50, 6, 60, etc., RAID no cache /1GB/2GB cache, optional cache power loss protection		
Onboard Network	Integrates 2 Gigabit GE ethernet ports, optional with external Gigabit and 10 Gigabit NETWORK cards and Gigabit OCP modules	It integrates two Intelx722 Gigabit GE Ethernet ports, and can optionally add 1 dual Gigabit data OCP Ethernet port module or 1 dual 10 Gigabit Data OCP Ethernet port module	By default, it is not equipped with an on-board data ethernet port, and can be equipped with a dual-port/quad gigabit data OCP3.0 ethernet port module or a dual-port/quad-port 10 Gigabit data OCP3.0
PCI E Expansion	Provides 5 PCI-E3.0 standard slots and 1 OCP Type A/C dedicated slot by default	By default, it provides 3 PCI -E3.0 standard slots, 1 OCP dedicated slot (PCI-E3.0) , up to 6 PCI -E3.0^ standard slots , 1 OCP dedicated slot ( PCI-E3.0) E3.0)	
Other Ports	USB2.0 interface: 2 ( 2 at the rear ) ; USB3.0 interface: 3 ( 2 at the front , 1 inside ) ; VGA interface: 1 ( 1 at the rear ) ; management network port: 1 ( 1 at the rear )	USB2.0 interface: 1 (internal 1 ) ; USB3.0 interface: 5 (front 2 , rear 3 ) ; VGA interface: 2 (front 1 ) 1, rear 1 ) ; management network port: 1 (rear 1 )	USB3.0 interface: 6 ( 2 in the front, 3 built-in in the rear ) ; VGA interface: 2 (1 at the front, 1 at the rear ) ; management network port: 1 (1 at the rear ) ; serial

## TA2715P2 / TA2715W

The latest 2U server product launched and adopts Intel C620 series high-performance chip-set, supports the second generation Intel® Xeon® Scalable series processors, supports up to 3 TB memory capacity, and supports 8 hot-plug 3.5-inch by default. Hard disk, optional support 12-disk/24-disk version, and can flexibly expand full-height and full-length PCI-E devices. The highly integrated design brings powerful performance in a limited space to support mission-critical operations. Provides advanced management functions and storage technology with reliable scalability and high availability.

## Application

- **ISP:** Suitable for cloud computing, virtualization applications, big data analysis, online games, mail and information processing, web search; intelligent, large-scale virtualization and large-scale node technology computing; optimized rack, 2U form factor, helps users to Rapid deployment and efficient maintenance of cluster solutions.
- **Data Center:** Up to 140% better performance than the previous generation with better energy efficiency.
- **Cloud Computing Solutions:** Eliminate I/ by improving security. Bottleneck, optimize density and performance, provide reliable virtual resources, solve storage challenges caused by explosive data growth, and provide the most excellent and reliable solutions for private, public and hybrid clouds.

## Product Highlights

- **High Performance:** TA2715P2 supports up to two 28-core 28-core Intel® Xeon® Scalable Series processors/TA2715W supports up to two 3rd gen Intel® Xeon® Scalable family processors, providing powerful computing power to help users cope with heavy computing pressures. Support for the Intel® AVX-512 Advanced Vector Extensions (INTEL® AVX-512) Advanced Vector Extensions (INTEL® AVX-512) provides faster speeds for high-load computing in enterprise-class products and high-performance servers.
- **High reliability:** Supports up to 12 x 3.5" and 2 x 2.5" hot-swappable SATA/SAS/SSD drives, or 26 x 2.5" SATA/SAS/SSD hot-swappable drives. Optional support for high reliability RAID5 improves data processing performance and data protection. The intelligent heat dissipation system is adopted to effectively reduce noise pollution and create a constant temperature space in the box; fully shielded anti-electromagnetic radiation, anti-interference, anti-static (EMI) design. Intel QAT support® provides secure, high-performance and accelerated compression, enabling network, cloud services and storage capabilities to provide reliable protection for virtual and cloud environments. Optional support for 1+1 fully redundant power supply mode, support PMBUS power consumption monitoring, module loss alarm and other functions, to provide higher security for the operation safety of the server.
- **Low power consumption:** Supports the frequency reduction function to reduce system power consumption at low loads, comprehensively adjusts the fan speed according to the temperature of the thermally critical device, saving energy while reducing noise and improving fan reliability, and supporting PDCM (Energy Efficiency Manager) to provide automated server power control to help complete more tasks with fewer resources.

## Technical Specification



Feature	TA2715P2	TA2715W
Processor	2nd Generation Intel Xeon® Scalable Family processors	3rd Generation Intel. Xeon® Scalable Series processors, Ice Lake-SP
Memory	24 DIMM slots, support 2933MHz DDR4 RDIMM memory, support up to 3TB, optional support AEP memory	32 DI MM slot, support 3200MHz DDR4 RDIMM memory, support up to 4TB, optional support for BPS embedded memory
Hard Disk	Front: Supports 8 (default) / 12 2.5/3.5-inch SAS/SATA/SSD drives, or 24 2.5-inch SAS/SATA/SSD hard drives; Built-in: Supports 2 x 2.5-inch SAS/SA1A/SSD drives, or 2 x 2.5-inch U.2SS disks, and 1 PCI-E M.2 SSD; Rear: Can support 2 x 2.5-inch SAS/SATA/SSD drives, or 2 x 2.5-inch U.2 SSDs® tray	Pre-announcement: Can support 8 (default) / 12 2.5/3.5 inch SAS/SATA/SSD/U.2 hard disks, or 24 2.5 inch SAS/SATA/SSD/U.2 HDD; Built-in: Supports 2 x 2.5-inch SAS/SATA/SSD drives, or 2 x 2.5-inch U.2 SSD drives, and 22280/2211055 and 1 Mikrosde
Raid Support	The RX2715P2 supports SATA RAID. , 1, 10 dishes "within 2715 support Di 1. 0,1; Optional support 5/⁵ hearts 1. 0、 1、 10, 5, 50, 6, 60, etc., RAID no cache /1GB/2GB cache, optional cache power-down protection	
Onboard Network	Integrated two IntelX722 Gigabit female 45 ethernet ports; optional Gigabit and 10 Gigabit. CP module/network card	One Gigabit RJ45 port is onboard, and one dual-port/quad-port Gigabit or 10 Gigabit data OCP3.0 ethernet port module is optional
PCI-E extension	By default, there are 6 PCI-E3.0^ quasi-slots, 1 unused slot (PCI-E3.0), up to 8 PCI-E3.0Wt slots, and 1 dedicated slot (OCPTypeA	By default, 6 PCI-E3.0^ quasi-slots are provided, [100 PCP3.0 dedicated slots (PCI-E4.0X16 CPU0 leads out.)]
Other Ports	USB3.0 interface: 5 (2 front, 3 rear); VGAS ports: 2 (1 front, 1 rear); serial interface: 1 (rear 1); management network port: 1 (rear 1).	USB3.0 interface: 5 (2 front, 2 rear, 1 internal); VGA interface: 2 (1 front, 1 rear); serial interface: 1 (rear 1 RJ45); management network port: 1 (rear 1).
Fan	Quite a spare fan	

TA2715P2 / TA2715W



Feature	TA2715P2	TA2715W
Power Supply	1 x 800W Platinum AC power module is standard; supports 1+0 single power mode, or 1+1 redundant power mode; power module can be selected from 800W/1200W Platinum AC power module, and 800W DC-48V power module	
manage	Supports IPMI2.0, provides a 100/1000 MbpsRJ45 management network port, and supports iKVM remote management	
Display controllers	Integrated ASPEED AST2500	Integrated ASPEED AST2500, 64MB video memory
CD-ROM/Floppy Disk	Optional SATA/USB port optical drive	



## TA2012P

Powerleader TA2012P is the latest 2U server product launched by Powerleader, which uses Intel C621 high-performance chipset and supports the 2nd generation Intel® Xeon® Scalable series processors, which supports up to 2TB of memory capacity, 8/12 hot-swappable 35-inch front end, optional support for 2 2.5-inch hot-swappable tails, and flexible expansion of half-height full-length PCI-E devices. TA2012P provides advanced management features and storage technology with reliable scalability and high availability.



## Application

- Network service providers: Suitable for cloud computing, virtualized applications, big data analytics, online gaming, mail and information processing, web search; intelligent, large-scale virtualization and large node technology computing; optimized rack, 1U form factor, to help users quickly deploy and efficiently maintain large-scale cluster solutions.
- Growth Data Center: Performance is up to 140% better than the previous generation and has better energy efficiency.
- Cloud computing solutions: Address storage challenges from exploding data by improving security, eliminating I/O bottlenecks, optimizing density and performance, providing reliable virtual resources, and addressing storage challenges caused by exploding data.

## Product Highlights

- **Performance:** Supporting up to 2 28-core 2nd generation Intel Xeon Scalable processors provides powerful computing power to help users cope with the heavy computing pressures. Supports Intel® Communication Acceleration Technology (Intel® QAT), Intel® Advanced Vector Extensions (Intel® AVX-512) o support up to 2TB 2933MHz/DDR4, optional support for AEP memory. Full support for U.2, faster transmission speed, lower power consumption, higher reliability. Supports 6 expansion slots by default, providing users with flexible connectivity options. By default, it integrates 2 Gigabit data ethernet ports, and optionally adds 1 dual Gigabit data outlet module or 1 dual 10 Gigabit data ethernet port module, which has the characteristics of load balancing, link aggregation and support for redundancy, which can effectively reduce network latency and 1000M remote management dedicated network port.
- **High reliability:** Large supports 12 x 3.5" and 2 x 2.5" hot-swappable SATA/SAS/SSD drives. (Optional SAS Expansion Kit is required to select SAS hard drives); optional support for high-reliability RAID5, improving data processability and protecting data functions. The intelligent heat dissipation system is adopted to effectively reduce noise pollution and create a constant temperature space in the box; fully shielded anti-electromagnetic radiation, anti-interference, anti-static (EMI) design. Support for Intel. Communication Acceleration Technology (Intel® QAT) provides secure, high-performance and accelerated compression, enabling network, cloud, and storage capabilities to provide reliable protection for virtual and cloud environments. Optional support 1+1 fully redundant power supply mode, support PMBUS power consumption monitoring, module loss alarm and other functions, to provide higher security for the operation safety of the server.
- **Low power consumption:** Supports the frequency reduction function to reduce system fertilization at low loads. The fan speed is comprehensively adjusted according to the temperature of the thermally critical device, saving energy while reducing noise and improving fan reliability. Support for PDCM (Energy Efficiency Manager) provides automated server power control, helping to accomplish more with less.

## Technical Specification

Feature	TA2012P
Processor	2nd Generation Intel Xeon. Scalable family of processors
RAM	16DIMM slot, support 2933MHz DDR4 RDIMM memory, support up to 2TB, optional support AEP memory Front-facing: Supports 8/12 x 2.5/3.5-inch SAS/SATA/SSD hard drives
Hard Disk	Built-in: Supports 2 x 2.5-inch SAS/SAEA/SSD hard drives, or 2 x 2.5-inch U.2 SSD drives, and 1 x PCI-E M.2 SSD rear: Can support 2 x 2.5-inch SAS/SATA/SSD drives, or 2 x 2.5-inch U.2 SSD drives
Raid Support	Supports SATA RAID. , 1, 10, 5, optional support for SAS RAID. 、 1、 10、 5、 50, 6, 60, ETC., RAID no cache /1GB/2GB cache, optional cache power-down protection
Onboard Network	Integrated 2 Intel X722 Gigabit GE network ports; optional external Gigabit and 10 Gigabit network cards Provides 6 half-height PCI-E expansion slots (2*PCI-E3.0x8, 4*PCI-E 3.0x16, supports 4 NVIDIA P4 GPU accelerator cards)
Other Port	USB2.0 interface: 2 (2 at the rear); USB3.0 interface: 5 (2 at the front, 1 at the inner, 2 at the rear); VGA interface: 1 (1 at the rear); serial Row interface: 1 (1 at the rear); management network port: 1 (1 at the rear)
Fan	4 hot-swap fans
Power	support 1+0 single power supply mode, or 1+1 redundant power supply mode; power module optional 800W/1200W Platinum AC power supply module, and 800W DC-48V power
Management	supply module Support IPMI2.0 , Provide 1 100/1000 Mbps female 45 managementnetwork port, support iKVM remote management
Display Controller	Integrated ASPEED AST250 0
CD-ROM	Optional USB interface optical drive
Power Supply	220V AC /240V DC
Physical Size	Height 87mm*width 438mm*depth 660mm, support 19" cabinet, minimum configuration gross we

## TA6510P

Baode TA6510P is the latest tower server product launched by Baode Company. It adopts Intel C621 high-performance chipset and supports the second generation of Intel. Xeon® Scalable series processors, this model supports up to 1TB of memory capacity, supports four 3.5"/2.5" hard drives, and can flexibly expand full-height and full-length PCI-E devices. RX6510P provides advanced management functions and storage technology with reliable scalability and high availability.



## Application

- **SME:** Features low-cost drive options for corporate office, mail and information processing, ERP; video storage and streaming, document storage/printing, and photo applications.
- **Data Center:** Up to 120% better performance than the previous generation with better energy efficiency.
- **Cloud Computing Solutions:** By improving security, eliminating I/O bottlenecks, optimizing density and performance, providing reliable virtual resources, and solving storage challenges brought about by explosive data growth, it provides the most excellent and reliable solutions for private, public and hybrid clouds.

## Product Highlights

- **High Performance:** High performance: Supports up to 2 2x2 2nd generation Intel. The Xeon® Scalable family of processors provides powerful computing power to help users cope with heavier computing pressures. Intel is supported. Communication Acceleration Technology (Intel-QAT), Intel • Advanced Vector Extensions (Intel, AVX-512). 8 memory channels, 8 memory DIMM slots, maximum support 1TB 2933MHZ/DDR4. Fully support M, 2, can support SD card. 6 expansion slots provide users with flexible connection options. Onboard 2 gigabit data network ports, with load balancing, link aggregation and support for redundancy, can effectively reduce network delay, 1 1000M dedicated network port for remote management.
- **High reliability:** Supports up to 4 hot-swappable 3.5"/2.5" SAS/SATA/SSD hard drives. (Hot-plug modules are required for hot-plug, and SAS expansion kits are required for SAS hard drives.) Optional support for SAS RAID5 improves data processing performance and data protection. The intelligent cooling system is used to effectively reduce noise pollution and create a constant temperature space for the cabinet; fully shielded to prevent electromagnetic radiation, anti-interference, and anti-static (EMI) design. Intel is supported. Communication Acceleration Technology (Intel-QAT) provides secure high-performance and accelerated compression, enabling network, cloud service and storage functions to provide reliable protection for virtual and cloud environments. Optionally support 1+1 full redundant power supply mode, support PMBUS power consumption monitoring, module loss alarm and other functions, providing higher security for server operation safety.
- **Low power consumption:** Supports frequency reduction function, which can reduce system energy consumption at low load. The fan speed is comprehensively adjusted according to the temperature of the thermally critical components, which saves energy while reducing noise and improving the reliability of the fan. Support for PDCM VZO (Energy Efficiency Manager) provides automated server power control to help accomplish more with less.

## Technical Specification

Feature	TA6510P
Processor	2nd Generation Intel S Xeon Scalable Series Processors
RAM	18 DIMM slots, support 2933MHZ DDR4 RDIMM memory, up to 1TB
Hard Disk	Front: can support 4 2.5/3.5-inch SAS/SATA/SSD hard drives (default non-hot-plug, optional hot-plug) Built-in: can support 3 2.5/3.5-inch SAS/SATA/SSD hard drives, 1 PCI -E M.2 SSD
Raid Support	SATA RAID is supported. , 1, 10, 5, optional support for SAS RAID. , 1, 10, 5, 50, 6, 60, etc., RAID no cache/1GB/2GB cache, optional cache power-down protection
Onboard Network	Integrated 2 x Intel X722 Gigabit GE network ports; optional Xikui Gigabit and 10 Gigabit network cards
Other Port	USB2.0 interface: 2 (2 at the rear); USB3.0 interface: 3 (2 at the front, 1 inside); VGA interface: 1 (1 at the rear); Serial interface: 1 (1 at the rear); management network port: 1 (1 at the rear)
PCIE Expansion	Provides 6 half-height PCI-E expansion slots (2*PCI-E3.0x8, 4*PCI-E 3.0x16, 1*PCI-E 3.0x4 (inx8)) on gross we
Fan	1 fan
Power	Standard 600W server single power supply, optional 550W/800W1+1 clamp gold hot-swappable redundant power supply, support 240V high-voltage DC power supply,
Management	support IPMI2.0, provide 1 external 100/1000 Mbps with 45 management network ports, Support iKVM remote management, integrate ASPEED
Display Controller	AST2500
CD-ROM	Optional SATA/USB interface optical drive, SD card
Power Supply	220VAC/240V DC
Physical Size	Height 425mm*width 198mm*depth 553mm, the minimum configuration gross weight is about 19KG

## TA2865P

Baode TA2865P is a high-density 2U 4-way server developed based on Intel Purley, with outstanding high performance, high reliability, and easy expansion. Supports the latest Intel® Xeon® Processor Scalable family, supporting CPUs up to 205W power. It can provide more efficient computing performance, the maximum support memory can reach 6TB, support 24 hot-swappable hard disks, and expand I. In terms of supporting up to 11 PCIE standard expansion slots, it can support 2 double-width GPU computing cards at the same time; it is a business-critical workload, virtualization, hyper-convergence, database, commercial business processing, and data-intensive data-intensive space and performance requirements. data center applications.



## Core Advantage

- **Brand new processor architecture:** TA2865P supports 4 new Intel scalable processors. Compared with the previous generation processor, the core can be increased by up to 233%, the memory support capacity can be up to 400% of the whole machine, and the performance can be improved by up to 76%.
- **High density and high scalability:** The TA2865P design is only 2U high, but it can support up to 6TB memory and 112 processing cores. In addition, 24 hard disks and 11 PCIE3.0 standard expansion slots can provide flexible expansion capabilities for various businesses of customers. Therefore, TA2865P can be widely used in various applications, whether it is database, virtualization, or server integration projects, it is the best choice. At the same time, the excellent performance and flexible scalability of TA2865P also fully meet the future business of enterprises. load demand.
- **Super BMC monitoring and management functions:** Integrated BMC management helps customers grasp the system running status in real time, supports per-alarm, fault recovery functions; allows access, installation, configuration and control of remote servers from any location through the network; hardware-level access and control, independent of the operating system, provides Complete compatibility; including fault types, detailed descriptions of faults, and location of pupil components; remote upgrade of BIOS, BMCFW and other remote management functions; support for virtual media, remote power on and off, and remote KVM functions.
- **Solid Reliability:** Based on industry standards, TA2865P integrates reliability and security into the system, and provides more reliability designs on top of the processor, including SDDC/ADDDC, memory mirroring, memory hot backup and other memory-level RAS features, and supports Intel Run Sure Technology, as well as power supplies, and fans are hot-swappable and redundant. Provide a solid and reliable operation foundation for users' various applications. Meanwhile, TA2865P supports TPM2. Can prevent unauthorized intrusion and ensure user system security.

## Technical Specification

Feature	TA2865P
Processor	Intel Xeon Processor Scalable Family Clamp Gold 8100 Series and Gold 615100 Series, up to 2Q5W
RAM	48 slots, maximum support 6TB capacity, maximum frequency 2666 MHz, support Apache Pass (AEP) DIMMS
Hard Disk	24 2.5-inch SAS/SATA/SSD hard drives, can support 4 NVMe SSD hard drives
Onboard storage controller	Intel M621, supports 12 SATA3 (6Gbps sea ports; RAID., 1, 5, 10 At the same time, supports IntelVROC, can realize NVMe raid control.
Onboard Network	Support 4 Gigabit Ethernet ports
PCIE Expansion	Supports up to 11 PCIE3.0 slots, including 5 PCIE3.0X pins and 6 PCIE3.0 X16, select CPU below 165W, can support 2 active cooling GPU cards
Other Ports	Rear: 1 VGA port, 1 serial port, 2 USB 3.0, 4 Gigabit Ethernet ports, 1 Gigabit IPMI2.0 management network port Built-in: 1 TPM2.0 port, 1 VROCKey port, 1 USB3.0 port, 2 SATADOM ports, 3 x4 mini SATA ports (support 12 SATA ports)
Fan	4 8CM hot-swappable redundant fans
Power	Standard 2X1600W titanium-grade hot-swappable redundant power supply, support 1+1 redundancy
Management	Onboard Aspeed AST2500 management module, support IPMI2.0, Intel • Node Manager, NMI, SMCBU, SMM, watchdog;
Display Controller	integrated AST2500. display controller
Security Module	Support TPM2.0
Power Supply	110V/220VAC
Physical Size	437 x89x 780mm (17.2" x 3.5" X30.7")

## TA4845P / TA4865P

The high-density 4U 4-way server developed based on Intel Purley platform has the advantages of outstanding high performance, high reliability and easy expansion. Support the latest Intel Xeon® processor scalable family, suitable for high-end enterprise key applications, such as: database, ERP, high-performance parallel computing, virtualization and other application environments

### Core Advantage

- Brand new processor architecture:** The TA4845P adopts a new micro-architecture design, with Intel Xeon, scalable processors and the new C620 series chipset, bringing 1.5 times the memory bandwidth improvement and 2 times the I/O compared to the previous generation. The expansion capacity and storage capacity are increased by 3 times, which greatly improves the business load capacity of a single machine; TA4865P supports 4 IntWXeon scalable processors (Skylake & Cascade Lake), supports up to 3UPI bus, and the highest speed can reach 10.4GT/S. Full interconnection (crossbar) between CPUs. Supports up to 48 DDR4 memory, can achieve up to 18.0TB of memory, can easily handle complex workloads, suitable for database, ERP, high-performance parallel computing, virtualization and other application environments.
- Application flexibility:** TA4845P can be configured with different levels of storage and network bandwidth interfaces according to actual application requirements. With virtualized application environment, it is perfect for street-connected minicomputers or other types of X86 system application environments; with on-board flash memory controllers and multiple network interfaces, it can optimize investment/ The output ratio is greatly improved.
- High density and high scalability:** TA4865P can support up to 24 3.5-inch hard drives; and supports built-in 2 M.2 SSD, 2 SATA DOM; provides exclusive NIC MEZZ card expansion slot, optional expansion 2x1 GbE / 4x1 GbE / 2x1 OGbE / 4x1 OGbE / 2x40GbE Network daughter card, optional support for 4 full-height and full-length dual-slot GPU accelerator cards.
- Super BMC monitoring and management functions:** TA4845P integrates a new generation of ARM management chip, providing multi-language component-level status monitoring and fault diagnosis, remote control of server power consumption and performance, as well as interfaced BIOS configuration, RAID and network deployment; TA4865P is embedded with a server intelligent management chip, supporting IPMI2.0 And Redfish management mode. Realize complete remote system monitoring, remote KVM, virtual media and other management functions. It is used for routine maintenance of data centers, which can help data centers effectively improve energy efficiency, improve management level, and save operation and maintenance costs.
- Solid Reliability:** Multiple RAS features are supported to provide higher reliability, availability and serviceability. It perfectly supports Intel chip-level Standard RAS and Advanced RAS features, and provides power supply and fan redundancy functions, hot-swap support for hard disks, power

### Technical Specification



Feature	TA4845P	TA4865P
Processor	Supports Intel, Xeon® PLATINUM/GOLD scalable processors (Skylake® Cascade Lake series CPU) High-speed UPI interconnect bus (up to 10.4 GT/s, varies by CPU model) Large-capacity L3 cache (up to 38.5 MB, depending on the CPU model) can support up to TDP165WCPU	4x IntelXeon Scalable Processor Series (Skylake & Cascade Lake), fully interconnected with Cross bar
Chipset	Intel C620 series chipset	Intel Lewisburg C621
RAM	48 memory slots, support DDR4 2933/2666/2400/2133 ECC memory (operating frequency varies with CPU and memory configuration), can expand up to 6TB memory, support RDIMM, LRDIMM, NVDIMM and Intel® Optane™ data Center-Level Persistent Memory (DCPMM)	A total of 24 memory channels, 48 DDR4DIMM slots
The Internet	Integrated Gigabit dual-port RJ45 and 10 Gigabit dual-port fiber optic network interface (excluding SFP module)	Integrate 2 IGBE, optional 2x1GbE/4x1 GbE/2x10GbE/4x10GbE/2x40GbE Network Daughter Card
PCIE Extension	Supports up to 14 PCIe expansion slots	Standard 7 or 11, supports up to 15 PCI Express 3.0 expansion slots (including a dedicated network slot)
Storage Controller	Flexible configuration of SAS card, support RAID0/1/10, SASRAID card, 2G Cache, support RAID 0/1/5/6/50/60, support Cache super capacitor protection, provide RAID state migration, RAID configuration memory and other functions	Integrated 6Gb/sSATA controller; optional support for 12Gb/s SASHBA, and 12Gb/sSASRAID controller
Other Ports	1 RJ-45 management interface, located at the rear of the chassis; 4 USB 3.0 interfaces, located at the rear of the chassis, optional support for 2 front USB2.0; 1 VG port, located at the rear of the chassis, optional support Front VGA; 1 serial port on the rear of the chassis; 2 SD card slots on the inside of the chassis	Front: 1 D-SubVGA, 2 USB3.0, 1 LCD Mini USB Rear: 1 D-SubVGA. 4 USB3.0. 1 with 45 management network port, 2 RJ45 Ethernet ports
Power Supply	Standard 2*1200WCRPS redundant power modules, can support up to 4 CRPS power modules	Supports up to 4 power modules, supports 1+1; 2+1; 2+2; 3+1 redundancy, supports hot-swap optional 220V AC / optional 1300W/1600W power
Chassis Size	75.5mm(H) x 447mm(W) (without lugs) x 793 mm(D) 175.5mm(H) x 4820101(W) (with lugs 7930(10(1(D))	Rack type 4U, width 448mm x height 175mm x depth 840mm (excluding mounting ears 820mm)

## TA7865P

Supplies, fans, PCIE expansion cards and other equipment, as well as ease of use design such as tool-free disassembly and assembly of key components. TA7865PB is a high-density 7U 8-way server developed based on the Intel Purley platform, with outstanding high performance, high reliability, and easy expansion. TA7865P supports the latest Intel, Xeon processor expandable family, supports CPUs with a maximum power of 205W. TA7865P can provide more efficient computing performance, maximum support memory up to 12TB, support 16 2.5' hot-swap hard drives, expandable Supports six 3.5' or eight 2.5' internal hard drives. It can optionally support up to 32 U.2 NVMe disks, and can support up to 23 PCIE standard expansion slots in 10 aspects, and can support 8 double-width GPU computing cards at the same time. Boyd TA7865P is a business-critical workload, virtualization, hyper-convergence, database, business business processing, and data-intensive data center applications with stringent performance and stability requirements.



## Core Advantage

- **Brand new processor architecture** TA7865P supports 8 new Intel Scalable processors with up to 233% more cores than previous generation processors.
- **High density and high scalability:** The TA7865P design is only 7U high, but it can support up to 12TB of memory and 224 processing cores. In addition, a maximum of 24 hard drives and 23 PCIE 3.0 standard expansion slots can provide flexible expansion capabilities for customers' various businesses. Does not occupy standard PCIE slots, can support 2 M.2 SSDs, and can optionally support up to 32 U.2 NVMe disks, so TA7865P can be widely used in various applications, whether it is database, virtualization, or server. Integration projects, it is the best choice. At the same time, the excellent performance and flexible scalability of PR7865P also fully meet the needs of future business loads of enterprises.
- **Super BMC monitoring and management functions:** Integrated BMC management helps customers grasp the system running status in real time, supports pre-alarm, fault recovery functions; allows access, installation, configuration and control of remote servers from any location through the network; hardware-level access and control, independent of the operating system, provides Complete compatibility; including fault types, detailed descriptions of faults, and location of pupil components; remote upgrade of BIOS, BMCFW and other remote management functions; support for virtual media, remote power on and off, and remote KVM functions.
- **Solid reliability :** TA7865P relies on industry standards to integrate reliability and security into the system, and provides more reliability designs on the processor, including SDDC/ADDDC, memory mirroring, memory hot backup and other memory-level RAS Features, while supporting Intel • Run Sure Technology, and power supply, fan hot-swappable redundant design. Provide a solid and reliable operation foundation for users' various applications. At the same time, TA7865P supports TPM2.0, which can prevent unauthorized intrusion and ensure user system security

## Technical Specification

Feature	TA7865P
Processor	Intel Xeon s Processor Scalable Family Clamp Gold 8100 Series, up to 205W
RAM	96 slots, maximum support 12TB capacity, maximum frequency 2666 MHz, support Apache Pass (AEP) DIMMS
Hard Disk	hard disk
Onboard storage controller	Intel.C621, supports 8 SATA3 (6 Gbps) interfaces
Onboard Network	Supports 4 X550 10 Gigabit electrical ports
PCIE Expansion	Supports up to 23 PCIE 3.0 slots, including 21 PCIE3.0X16 and 2 PCIE3.0x8, (optionally supports 39 PCIE 3.0, including 5 PCIE3.0X16 and 34 PCIE3.0X8) can support 8 GPUs at the same time Card cooperative operation
Other Ports	Rear: 1 VGA port, 1 serial port, 2 USB2.0, 4 10 Gigabit Ethernet ports, 1 Gigabit IPMI2.0 management network port Built-in: 1 TPM2.0 port, 2 SAIADOM ports, 8 SATA3 interface
Fan	4 8CM hot-swappable redundant fans
Power	Standard 5X1600W titanium-grade hot-swappable redundant power supply, support N+2 redundancy
Management	Onboard Aspeed AST2500 management module, support IPMI2.0, Intel Node Manager, NMI, SMCBU, SMM, watchdog;
Display Controller	integrated AST2500 display controller
Security Module	Support TPM2.0
Powered By	110V/220VAC
Physical Size	448x310x733mm (17.63"Xi2.2"x28.87")



## TA8020P

TA8020P is a new generation of high-performance blade server developed based on the modular design concept. 10 full-height blades or 20 half-height blades can be expanded in an 8U space, fully meeting the ultra-high-density deployment requirements for RB expansion. At the same time, its product advantages such as high performance, low power consumption, high management features, and high cost performance make it an ideal choice for users of the Internet, government, education, enterprises, Net-com, and telecommunications.





## Product Highlights

- **The powerful processing power of early server blades:** Each server blade in the Boyd server TA8020P has its own processor, memory and local storage devices, and can run its own applications independently. Server TA8020P supports 20 half-height server blades or 10 full-height blade servers within 8U height, each half-height/full-height supports two/four IntelB next-generation scalable processors
- **Modular redundant design and remote fault diagnosis function:** Each part of the server TA8020P adopts a modular design, and each module can be easily replaced without tools. The management module, power supply, Ethernet switch module and other components are fully redundant, which can effectively avoid the occurrence of server downtime caused by component failure. At the same time, TA8020P provides comprehensive and detailed remote management functions, and the server administrator can remotely know the health status of each component of the server through the network.
- **Device sharing reduces hardware costs:** Each blade on the Proprietor TA8020P shares power supply, heat dissipation and other components, which can effectively circle the equipment procurement gap and also reduce the operating cost of the server.。
- **High utilization power system:** N+1 redundant power supplies can provide up to 94% power utilization to power all blade servers.

## Technical Specification

Feature	TA8020P
Blade Server	Age-old or 2g half-height or 5-bar high +1" half-height hot plug server
InfiniBand switch	Support 1 InfiniBand EDR switch module, or 1 OPA1 OOGbps switch module
Ethernet switch	Supports 2 10 Gigabit or Gigabit Ethernet switch modules
Management Module	Support 1, can provide 2 Gigabit management network ports MBM-CMM-001 /MBM-CMM-FIO
Power Module	N+1 redundant design, single power supply 2200W, standard configuration 8, support for editing and unplugging
Fan Module	Up to 8 cooling fans
Size	14" X 17.6" X 32"

## Blade Server Specifications

Feature	TA8020P-T8N/TA8020P-C4N Blade Server	TA8020P-T3N/TA8020P-C2N Blade Server
	4 -way full-width blade server 	2 -way half-width blade server 
Processor	Supports 4 Intel expandable ball processors, 7DP70-165W	Supports 2 Intel Scalable Family Processors, IDP70-205W
Core/Cache	Support maximum 28 cores / maximum L3 cache 38.5M	
Chipset	Intel® C622 Chipset	
Memory Capacity	48 DDR4-2666 memory slots, support up to 3TB ECC LRDIMM/RDIMM, support Apache Pass	16DDR4-2666 memory slots, support up to 3TB ECC LRDIMM/RDIMM, support Apache Pass
memory type	2666/2400/21 33MHz ECC VLP DDR4	
SAS controller	SATA3 (6Gbps), RAID 0,1(-T8N); LSI SAS310 controller, SAS3(12Gbps), support RAID 0,1,5,6;! 0,50(-C4N)	SATA3 (6Gbps), RAID 0, 1(-T3N) LSI SAS3108 Controller, SAS3(12Gbps),Support RAID 0,1,576,10,50(-C2N)
Local Storage	Support 8 2SNVMe (7mm) /4 NVMe+4 SATA3 HDDs (-T8N) Support 4 2.5"NVMe/SAS3/SATA3*fi(-C4N) Onboard 2 PCIE x4 M.2 SSD + 8 M.2 SSD (plus 2 AOM-B-4M expansion cards)	Supports 2 2.5" NVMe/SATA3+1 2.5" SATA3 HDDs (-T3N) Supports 2 2.5"NVMe/SAS3/SATA3 HDD (-C2N) Onboard 1 PCIEx4 M.2 SSD+4 PCIE x4 M.2 SSD (plus 1 AOM-B-4M expansion card)
Network Controller	Integrated 2 10 Gigabit Ethernet, optional 25G/100G EDR/Omni-Path mezzanine HCA card	
PCIe-Expansion Slot	not support	
Trusted Sui Platform Module	Support TPM 1.2/2.0	
Environment Operating Temperature:	Environment Operating temperature: 10°to 35% (50-95"); non-operating temperature: -40°t. 60° (-40°to 158+); operating relative humidity: 8% to 90% (non-condensing); Non-operating relative humidity: 5 to 95% (non-condensing)	
Size/Weight	13"x1.75"x23.5' maximum weight 11.0kg	6.5,,xl.75"x23.51'Maximum weight 4.3 kg

## TA6014P

Our TA6014P is a new generation of high-performance blade server developed based on the modular design concept. 14 hot-swappable blade servers can be expanded in a 6U space, fully meeting the ultra-high-density deployment requirements of on-demand expansion. At the same time, its product advantages such as high performance, low power consumption, high management features, and high cost performance make it an ideal choice for users of the Internet, government, education, enterprises, Net-com, and telecommunications.





## Product Highlights

- The powerful processing power of early server blades:** Each server blade in the Boyd server TA6014P has its own processor, memory and local storage devices, and can run its own applications independently. Boyd server TA6014P supports 14 server blades in 6U height, each supporting two Intel latest Y scalable processors
- Modular redundant design and remote fault diagnosis function:** Each part of the server TA6014P adopts a modular design, and each module can be easily replaced without tools. The management module, power supply, Ethernet switching module and other components adopt a fully redundant design, which can effectively avoid the occurrence of server downtime caused by component failure. At the same time, TA6014P provides comprehensive and detailed remote management functions, and the server administrator can remotely know the health status of each component of the server through the network.
- Device sharing reduces hardware costs:** Each blade on the server TA6014P shares power supply, cooling and other components, which can effectively reduce the purchase cost of equipment and greatly reduce the operating cost of the server.
- High utilization power system:** N+1 redundant power supplies provide up to 94% power utilization to power all blade servers.

## Technical Specification

Feature	TA6014P
Blade Server	Support service fee
Ethernet switch	Supports 2 10 Gigabit or Gigabit Ethernet switch modules
Management Module	Support 1, can provide 2 Gigabit management network ports MBM-CMM-001 /MBM-CMM-FIO
Power Module	N+1 redundant design, single power supply 2200W, standard configuration, support for editing and unplugging
Fan Module	Up to 8 cooling fans
Size	10.5" X1 7.6" X 32"

## Blade Server Specifications

Feature	TA6014P-C3N1U chip serve	TA6014P-C3N2 Blade Server
	Single-socket blade server 	2 -way blade server 
Processor	Supports 4 Intel expandable ball processors, 7DP70-165W	Supports 2 Intel Scalable Family Processors, IDP70-205W
Core/Cache	Support maximum 28 cores / maximum L3 cache 38.5M	
Chipset	Intel® C622 Chipset	
Memory Capacity	48 DDR4-2666 memory slots, support up to 3TB ECC LRDIMM/RDIMM, support Apache Pass	16DDR4-2666 memory slots, support up to 3TB ECC LRDIMM/RDIMM, support Apache Pass
memory type	2666/2400/21 33MHz ECC VLP DDR4	
SAS controller	SATA3 (6Gbps), RAID 0,1(-T8N); LSI SA5310 controller, SA53(12Gbps), support RAID 0,1,5,6;! 0,50(-C4N)	SATA3 (6Gbps), RAID 0, 1(-T3N) LSI SAS3108 controller, SAS3(12Gbps),support RAID 0,1,576,10,50(-C2N)
Local Storage	Support 8 2SNVMe (7mm) /4 NVMe+4 SATA3 HDDs (-T8N) Support 4 2.5"NVMe/SAS3/SATA3*fi(-C4N) Onboard 2 PCIE x4 M.2 SSD + 8 M.2 SSD (plus 2 AOM-B-4M expansion cards)	Supports 2 2.5" NVMe/SATA3+1 2.5" SATA3 HDDs (-T3N) Supports 2 2.5"NVMe/SAS3/SATA3 HDD (-C2N) Onboard 1 PCIEx4 M.2 SSD+4 PCIE x4 M.2 SSD (plus 1 AOM-B-4M expansion card)
Network Controller	Integrated 2 10 Gigabit Ethernet, optional 25G/100G EDR/Omni-Path mezzanine HCA card	
PCIe expansion slot	not support	
Trusted Sui Platform Module	Support TPM 1.2/2.0	
Environment Operating Temperature:	Environment Operating temperature: 10°to 35% (50-95"); non-operating temperature: -40°t. 60° (-40°to 158+); operating relative humidity: 8% to 90% (non-condensing); Non-operating relative humidity: 5 to 95% (non-condensing)	
Size/Weight	13"x1.75"x23.5' maximum weight 11.0kg	6.5,,xl.75"x23.51'Maximum weight 4.3 kg

## TA4024P / TA4036P3

The latest 4U server product launched by our Company adopts Intel C621 high-performance chip-set and supports Intel's second-generation Cascade Lake scalable series processors. TA4024P can optionally support two 2.5-inch hot-swap at the rear, TA4036P3 can optionally support 12 hot-swappable 3.5-inch tails, and can optionally support two built-in 2.5-inch and two 2.5-inch hot-swappable at the rear), and can be flexibly Expand PO-E equipment. The highly integrated and modular design brings high reliability and easy maintenance. Provides advanced management functions and storage technology with reliable scalability and high availability.

## Application

- Network service provider:** suitable for distributed storage, big data storage, video storage. Intelligent, large-scale virtualization and large-scale node technology computing. The optimized rack and 4U shape help users to quickly deploy and maintain large-scale cluster solutions.
- Growing data center:** TA4024P/TA4036P3 adopts 6-channel memory, the performance is up to 150% higher than the previous generation, and it has better energy efficiency.
- Cloud computing solutions:** By improving security, eliminating I/O bottlenecks, optimizing density and performance, providing reliable virtual resources, solving storage challenges brought about by explosive data growth, and providing the best and reliable solution.

## Product Highlights

- High performance:** supports up to 2 Intel Scalable processors, the UPI rate of the processor interconnection bus reaches 104GT/S, and a single CPU supports up to 28 computing cores. Supports Intel Turbo Boost technology, Hyper-threading technology and advanced vector extension instruction set (create X2.0), which significantly improves the computing performance of computing-intensive applications. 16 memory DIMM slots, maximum support 2933Mhz DDR4 (optional support for AEP memory), fully meet the needs of large-capacity memory application scenarios. Fully support SAIA 3.0, support SAS 12Gb: faster transmission speed, lower power consumption and higher reliability. Onboard 2 gigabit data network ports, with load balancing, link aggregation and support for redundancy, can effectively reduce network delay, 1 1000M dedicated network port for remote management. Smart Array Support for significantly enhanced I/.
- High reliability:** support high reliability SATA RAID5, optional support SAS RAID5, improve data processing performance and protect data functions. The intelligent cooling system is adopted to effectively reduce noise pollution and create a constant temperature space of the box; fully shielded to prevent electromagnetic radiation, anti-interference, and anti-static (EMI) design. Support for Intel® Trusted Execution Technology (Intel® TXT) provides reliable protection for virtualized and cloud environments. Intel® Advanced Encryption Standard New Instructions (Intel® AE5-NI) accelerates and enhances encryption for faster, stronger enterprise-wide data protection. TA4024P comes standard with 800W 1+1 fully redundant power supply mode, 95% conversion efficiency, optional support for 1200W redundant power supply; optional -48V 800W redundant solution / TA4036P3 comes standard with 1200W titanium server 1+1 full redundancy Extra power supply mode, 95% conversion efficiency, ultra-quiet power supply, support PMbus.
- Low power consumption:** Support frequency reduction function, which can reduce system power consumption at low load. The fan speed is comprehensively adjusted according to the temperature of the thermally critical components, which saves energy while reducing noise and improving the reliability of the fan. Support for PDCM v2.0 (Power Efficiency Manager) provides automated server power consumption control, helping to accomplish more with fewer resources.

## Technical Specification



Feature	TA4024P	TA4036P
Processor	2nd Gen Intel is supported. Xeon® Scalable Processor (Cascade Lake/Skylake), up to 165W	
RAM	16 DIMM slots, support 2400/2666/2933MHZ DDR4 RDIMM memory, maximum support 47B, optional support Intel Optane DIMM	
Hard Disk	Supports 24 3.5" SA1A/SAS/S5 disks, optional 2 rear/built-in 2.5-inch hot-swap (can support 2 NVMESSD, built-in)	Support 36 3.5" SALA/SAS/SSEWg disks + 4 2.5" Hongsi% 5 flowers 5 are 1 disk, 24 3.5" hot-swappable front, 12 3.5" hot-swappable rear, optional 2 rear 2.5" or non-hot-plug SAIA/SAS/SSD, support NVMESSD (non-hot-plug); optional built-in 2 2.5" SA1A/SAS/SSD
Raid Support	Onboard support for soft SATA RAID. , 1, 10, 5, optional support for SAS RAID. ,1,10, 5, 50, 6, 60, etc., RAID 1GB/2GB Cache, optional Cache super capacitor protection	
PCI-E Extension	Support 6 PCI-E expansion slots: 4 PCI-EX16, 2 PCI-EX8 support full height standard card; 1 M.2 adopts PCI-E3.0*4 to support M.2NVMESSD; 2 2.5NVMESSD	Supports up to 6 PCI-E expansion slots, supports half-height standard cards: 4 PCI-E3.0X16; 2 PCI-E3.0x8, 1M.2 adopts PCI-E3.0*4 to support M.2 NVMESSD;
Storage Controller	Flexible configuration of SAS card, support RAID0/1/10, SASRAID card, 2G Cache, support RAID 0/1/5/6/50/60, support Cache super capacitor protection, provide RAID state migration, RAID configuration memory and other functions	Integrated 6Gb/sSAIA controller; optional support for 12Gb/s SASHBA, and 12Gb/sSASRAID controller

TA4024P / TA4036P3

Feature	TA4024P	TA4036P
Other Ports	USB3.0 interface: 2 (2 at the rear); USB2. Nuo port: 4 (2 at the rear, 2 at the front); VG port: 1 (1 at the rear); management network port: 1 (1 at the rear)	USB3. J mouth: 2 (2 at the rear); USB2.0 interface: 3 (2 at the rear, 1 at the front); VG pancreas port: 1 (1 at the rear); management network port: 1 (1 at the rear)
Fan	5 hot-swappable fans	7 hot-swap fans
Manage	Support IPMI2.0, provide a 1000Mbps RJ45 management network port, integrate iKVM, support remote management	
Display Controller	Standard 2*1200WCRPS redundant power modules, can support up to 4 CRPS power modules	Supports up to 4 power modules, supports 1+1; 2+1; 2+2; 3+1 redundancy, supports hot-swap optional 220V AC / optional 1300W/1600W power

## TA4036W

TA4036W is the latest Intel Whitley platform 4U server product launched by us. It adopts IntelC621A high-performance chip-set and supports Intel's latest generation Whitley Ice Lake scalable series processors. This model supports up to 4TB of memory capacity. It supports 24 hot-swappable 3.5-inch blocks, and 12 hot-swappable 3.5-inch blocks at the rear. Optionally, it supports 2 built-in 2.5-inch and 2 2.5-inch hot-plug at the rear, and can flexibly expand PCI-E4.0 devices. The highly integrated and modular design brings high reliability and easy maintenance. TA4036W provides advanced management functions and storage technology with reliable scalability and high availability.



## Application

- **Network service provider:** suitable for distributed storage, big data storage, video storage. Intelligent, large-scale virtualization and large-scale node technology computing. Optimized racks and 4U external shape help users to quickly deploy and maintain large-scale cluster solutions
- **Growing data center:** TA4036W uses 8-channel memory, supports up to 16 memory slots, and has better energy efficiency.
- **Cloud computing solutions:** By improving security, eliminating I/O bottlenecks, optimizing density and performance, providing reliable virtual resources, solving storage challenges caused by explosive data growth, and providing the best private cloud, public cloud and hybrid cloud and reliable solutions.

## Product Highlights

- **High performance:** supports up to 2 Intel, ice Lake third-generation scalable processors on Whitley platform, the UPI rate of the processor interconnect bus reaches 10.4GT/S, and a single CPU supports up to 40 computing cores. Supports Intel Turbo Boost\* frequency acceleration technology, Hyper-threading technology and advanced vector extension instruction set (AVX2./AVX-512), which significantly improves the computing performance of computing-intensive applications. 18 memory DIMM slots support 3200MHz DDR4 at most (2 memory slots exclusively support AEP memory), fully meeting the needs of large-capacity memory application scenarios. Full support for SATA 3.0 and SAS 12Gb: faster transmission speed, lower power consumption and higher reliability. Onboard 2 SLimSAS x8 Ports, support up to 4 2.5 NVME SSDO onboard 2 Gigabit data network ports, with load balancing, link aggregation and support redundancy features, can effectively reduce network latency, 1 1000M remote management dedicated network port. Optional Smart Array support for significantly enhanced I/O performance and optional RAID 5 data protection.
- **High reliability:** support high reliability SATARAID5, optional support SAS RAID5, improve data processing performance and protect data functions. The intelligent cooling system is adopted to effectively reduce noise pollution and create a constant temperature space for the cabinet; fully shielded against electromagnetic radiation, anti-interference, and anti-static (EMI) design. Support for Intel® Trusted Execution Technology (Intel® TXT) provides reliable protection for virtual and cloud environments. Intel® Advanced Encryption Standard New Instructions (Intel® AES-NI) accelerates and enhances encryption for faster, stronger enterprise-wide data protection. Standard 1200W titanium server 1+1 fully redundant power supply mode, 95% conversion efficiency, ultra-quiet power supply, and PMbus support.
- **Low power consumption:** Support frequency reduction function, which can reduce system power consumption at low load. The fan speed is comprehensively adjusted according to the temperature of the thermally critical components, which saves energy while reducing noise and improving the reliability of the fan. Support for PDCM V2.0 (Power Efficiency Manager) provides automated server power consumption control, helping to accomplish more with fewer resources.

## Technical Specification

Feature	TA4036W
Processor	Support 3rd generation Intel. Xeon. Scalable processor (ice Lake), up to 165W
RAM	16 DIMM slots, support 2933/3200MHZ DDR4 RDIMM memory, support up to 4TB RDIMM 2 slots support Intel Optane DIMM Supports 36 3.5" SAIA/SAS/SSD hard drives + 4 2.5" SATA/SAS/NVME SSD hard drives: 24 3.5" hot-swap front and 12 3.5" hot-swap rear
Hard Disk	Optional two 2.5-inch hot-plug or non-hot-plug SATA/SAS/SSD at the rear, support NVMESSD; optional built-in two 2.5-inch SAIA/SA5/NVMESSD
Raid Support	Onboard support for soft SATA RAID. , 1, 10, 5, optional support for SAS RAID. , 1, 10, 5, 50, 6, 60, etc., RAID 1GB/2GB Cache, optional Cache super capacitor protection.
PCI-E Extension	Supports up to 6 PCI-E4.0 expansion slots, supports half-height standard cards: 4 PCI-E 4.0x16; 2 PCI-E 4.0x8; 1 M.2 adopts PCI-E 4.0 *4 supports M.2 NVME SSDs
Other Ports	USB3.0 ports: 4 (rear one); VG port: 1 (rear 1); management network port: 1 (rear one)
Fan	7 hot-swappable fans
Management	Support IPMI2.0, provide a 1000 Mbps Bay 45 management network port, integrate 1KVM, support remote management
Display Controller	Integrated ASPEED AST2500
Size	Height 178mm*width 437mm*depth 700mm, support 19" cabinet, minimum configuration gross weight is about 35KG



## 2U Multi-node Server

### TA2720TP / TA2720TW / TA2740TP / TA2740TW

2U multi-node server architecture is market-proven, delivering exceptional throughput, storage, networking, I/O, memory and processing power in a 2U form factor. Customers can solve the most challenging IT needs with solutions provided by it, and benefit from exceptional total cost of ownership (TCO). 2U multi-node server solutions are designed to simplify deployment and maintenance, and deliver the highest quality Assembled to ensure continuous operation at maximum capacity. Customers in high-end enterprise, data center, HPC and cloud computing environments gain maximum competitive advantage from data center resources with 2U dual-mode servers.

- **High-density and performance-optimized compute nodes**

Provides up to 2 or 4 dual-socket servers and high-capacity storage in a 2U rack, forming a flexible platform to power demanding HPC and scale-out workloads.

- **Enhanced energy efficiency, suitable for Internet, HPC and cloud computing**

The 2U multi-node server is a platform for Boyd to support the Internet, cloud computing, high performance computing (HPC), service providers, and large scale-out computing server farms. The server focuses on providing a scale-out X86 server solution for data centers, while bringing new economics to data centers in terms of server density, power consumption, and thermal optimization and total cost of ownership. By design, 2U multi-cell servers require less rack space and consume less power and heat per server than traditional rack servers. The server can significantly reduce data center operating costs, simplify installation, and aggregate computing with a lower overall investment.

## Applicable Objects



**Hyper-converged Infrastructure**



**Cloud Computing Cloud**



**Software-defined Storage**



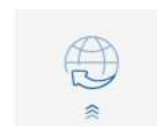
**High Performance Computing**



**Data Analysis**



**Enterprise Server**



**Internet Industry**

## Main Characteristic

- **New compact "4 in 2U" server density:** up to 4 half-width 2-socket server nodes and 12 3.5" hot-swap hard drives or 24 2.5" hot-swap hard drives in a single 2U chassis.
- **Shared power and cooling system:** 2U multi-node server with central cooling fan and 2 shared titanium (96%) grade hot-swappable power supplies.
- **Compatible with traditional data center environment:** 2U multi-node server is suitable for traditional data center front and rear airflow cooling design and standard 19-inch industrial cabinet.
- **Easy to use:** Hot-swappable server nodes, power supplies and disk drives enhance usability and are easy to use.
- **Diversified local storage:** standard SAS 3008, HDD or SSD using SAS, SATA, or NVMe interface, support built-in DOM; standard SAS 3808, HDD or SSD using SAS, SATA, or NVMe interface; standard supporting SATA HDD, Optional support for SAS 3008 and 3108 versions, support built-in DOM; standard support for SATA HDD, optional support for SAS 3008 and 3108 versions, support for built-in M.2 SSD.
- **Flexible network options:** Each node supports a network expansion module (SIOM) for user flexible networking options, such as 1G, 10G, 25G, 40G or 100G, and supports 2 half-height PCI-E 3.0 X16 Expansion slot; each node supports a network expansion module (AIOM, compatible with OCP3.0) for flexible networking options for users, such as 1G, 10G, 25G, 40G, 100G or 200G, and supports 1 half-height PCI-E4.0X16 expansion slot and 2 half-height PCI-E 4.0x8 expansion slots; each node supports onboard dual-port 10G electrical port network port, and supports 2 half-height PCI-E 4.0x16 Expansion slot.

## TA2720TP / TA2720TW / TA2740TP / TA2740TW

### Technical Specification



Feature	TA2720TP	TA2720TW
Form	2U 2 node rack server	
Number Of Processors	Per node: 1/2	
Processor	Per Node: Supports 2nd Gen Intel, Xeon. Scalable processors (Cascade Lake/Skylake)	Per Node: Supports 3rd Generation Intel® Xeon Scalable Processors (ice Lake)
Storage	Per Node: 24 DIMMs; Supports up to 6TB ECC 3DS LRDIMM or RDIMM DDR4-2933MHZ, Supports Intel Optane DIMM	Each node: 16 RDIMM slots, maximum support 4TB ECC 3DS LRDIMM or RDIMM DDR4-3200MHZ, exclusive 4 slots Supports Intel 200 series Optane DIMM
Hard Disk	Per Node: 6*SAS/SAIA Hot-swap 3.5" drive bays or 3*NVMe + 3*SAS/SAIA Hot-swap 3.5" drive bays 1*SATA DOM	Per Node: 6* Hot-swap 3.5" drive bays support SAS/SAIA/P- CIE4.0 NVME SSD 2* M.2 NVMe/SAIA support
Raid Support	SAS3 support via Broadcom 3008	SA53 support via Broadcom 3808
Onboard Network	No onboard network port, optional support for Gigabit/10 Gigabit network module (SIOM)	The onboard network port is not integrated, optional support for Gigabit/10 Gigabit network module (AIOM, compatible with OCP3.0)
PCI-E Expansion	Each node: 2*PCI-E16 half-height, optional support 1*PCI-E16 half-height+2*PCI-E 8 half-height	Each node: 1*PCI-E4.0 16 half height and half length + 2*PCI-E4.08 full height and half length
Other Ports	Each node: USB3.02, 1 VGA® port	
Power Supply	Standard 2200W 1+1 titanium redundant power supply per node	
CD-ROM/ Floppy Drive	External USB DVD-ROM	
Management	Management Each node: onboard BMC management module, support IPMI2Q, provide 1 1000 Mbps RJ45 management network port	
Powered By	Power supply Full voltage range adaptive server professional power supply, 115V/60HZ, 230V/50HZ adaptive	
Size Weight	(L*W*H): 765mm*447mm*88mm; support 19-inch standard cabinet, net weight about 39.5KG (L*W*H): 774mm*449mm*88mm; support 19-inch standard cabinet, net weight about 39.5 KG	



Feature	TA2740TP	TA2740TW
Form	2U 4 Node Rack Server	
Number Of Processors	Each node: 1/2	
Processor	Per Node: Supports 2nd Gen Intel, Xeon Scalable Processor (Cascade Lake/Skylake)	Per node: 16 DIMMs; supports up to 4TB ECC 3DS LRDIMM or RDIMM DDR4-2933MHZ, Supports Intel Optane DIMMs
RAM	Per node: 16 DIMMs; supports up to 4TB ECC 3DS LRDIMM or RDIMM DDR4-2933MHZ, Supports Intel Optane DIMMs	Per node: 16 DIMMs; supports up to 4TB ECC 3DS LRDIMM or RDIMM DDR4-3200MHZ, ports Intel Optane DIMM
Hard Disk	Per Node: Standard 3* 3.5" SATA3 Hot-swap drive bays Optional support for SAS HDDs	Each node: Standard 3*3.5" SA1A3 Hot-swap drive bays HDD/SSD available
Raid support	Optional support for RAID , 1, 10, 5, 5), 6, 60, etc., RAID 2GB Cache	
Onboard Network	No onboard network port, optional support for Gigabit/10 Gigabit network module (SIOM)	Two onboard 10G RJ45 electrical ports
PCI-E expansion	Each node: 2*PCI-E16 half-height expansion slots, support half-height device expansion	Each node: 2*PCI-E4.0x16 half-height expansion slots, support half-height device expansion
Other Ports	Each node: 2 USB3.0, 1 VG sleep por	
Power Supply	Standard E2200W 1+1 Titanium Redundant Power Supply	
CD-ROM/Floppy Disk Drive	External USB DVD-ROM	
Manage	Each node: Onboard BMC management module, support IPMI2.0, provide 1 1000 Mbps inch 45 management network port	
Powered By	Full voltage range adaptive server professional power supply, 115V/60HZ, 230V/50HZ adaptive	
Size Weight	(Length*Width): 774mm*438mm*88mm; over 19 British Postage, net weight about 32.7KG	

2U Multi-node Server  
TA2745TP / TA2720TW

Technical Specification



Feature	TA2745TP	TA2745TW
Form	2U 4 node rack server	
Number Of Processors	Per node: 1/2	
Processor	Per Node: Supports 2nd Generation Intel® Xeon, Scalable Processors (Cascade Lake/Skylake)	Each node: support the third generation Intel s Xeon. Scalable processor (ice lake), up to TDP 185W
RAM	Per node: 16 DIMMS; supports up to 4TB ECC 3DS LRDIMM or RDIMM DDR4-2933MHz, Supports Intel Optane DIMM	Per node: 16 DIMMS; supports up to 4TB ECC 3DS LRDIMM or RDIMM DDR4-3200MHZ
Hard Disk	Each node: Standard 6*2.5" SATA3 Hot-swap drive bays can be HDD	Each node: ^S6*2.5"SATA3 Hot-swap drive bays optional support SAS HDD/SSD, support 2 2280 NVME M.2 SSD
Raid support	Optional support for RAID0, 1, 10, 5, 50, 6, 60, etc., RAID 2GB Cache	
Onboard Network	No onboard network port, optional support for Gigabit/10 Gigabit network module (5IOM extension)	Onboard X710 dual port 10G electrical port network port
PCI-E expansion	Each node: 2*PCI-E16 half-height expansion slots, support half-height device expansion	Each node: 2*PCI-E4.OX16 expansion slots, support half-height device expansion
Other Ports	Each node: USB3.02, 1 VGA interface	
Power Supply	Standard 2200W 1+1 titanium redundant power supply per node	
CD-ROM/floppy disk drive	External USB DVD-ROM	
Management	Each node: onboard BMC management module, support IPMI2.0, Provide 1 1000 Mbps RJ45 management network port	
Powered By	Full voltage range adaptive server professional power supply, 115V/60HZ, 230V/50HZ adaptive	
Size Weight	(Long*cap): 724mm*438mm*88mm; support 19 zhiweiwei , net weight is about 32.7KG	

## 4U multi-node server

### TA4740TP / TA4785TP

4U TA4908P/TA4910P/TA4910P2 four-node server architecture has been proven in the market, providing exceptional throughput, storage, networking, I/O, memory and processing power in a 4U form factor. Customers can address their most challenging IT needs with solutions that benefit from exceptional total cost of ownership (TCO). Boyd 4U four-node server solutions are designed for ease of deployment and maintenance, and are assembled to the highest quality to ensure continuous operation at maximum capacity. With Boyd's 4U four-node server, customers in high-end enterprise, data center, HPC and cloud computing environments gain maximum competitive advantage from data center resources.

## Application

- High-density and performance-optimized compute nodes
- Provides up to 4 dual-socket servers and high-capacity storage in a 4U rack, forming a flexible platform that powers demanding HPC and scale-out workloads.
- Enhanced energy efficiency, suitable for Internet, HPC and cloud computing
- The 4U four-node server is Boyd's platform for supporting the Internet, cloud computing, high performance computing (HPC), service providers, and large scale-out computing server farms. The server focuses on providing a scale-out X86 server solution for data centers, while bringing new economics to data centers in terms of server density, power consumption, and thermal optimization and total cost of ownership. By design, the 4U four-node server requires less rack space and consumes less power and cooling per server than traditional rack servers. The server can significantly reduce data center operating costs, simplify installation, and aggregate computing with a lower overall investment.

## Applicable Objects



**Hyper-converged  
Infrastructure**



**Cloud  
Computing Cloud**



**Software-defined  
Storage**



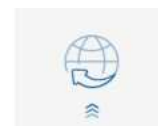
**High Performance  
Computing**



**Data Analysis**



**Enterprise  
Server**



**Internet  
Industry**

## Main Characteristic

- **New compact "4 in 4U server density:** up to 4 or 8 half-width 2-socket server nodes and 32 3.5" or 48 2.5" hot-swap hard drives in a single 4U chassis.
- **Shared power and cooling system:** 4U four-node server with central cooling fan and 4 shared titanium (96%) grade hot-swappable power supplies.
- **Compatible with traditional data center environment:** 4U four-node server is suitable for traditional data center front and rear airflow cooling design and standard 19-inch industrial cabinet.
- **Easy to use:** Hot-swappable server nodes, power supplies and disk drives enhance usability and are easy to use.
- **Diversified local storage:** Each node supports 8 3S hot-swappable hard disks, optional NVMe, SAS, SAE flexible collocation, optional support for SAS 3008 and 3108 versions. Supports built-in 1 M.2 NVMe SSD; each node supports 6 2.5" hot-swap hard drives, optional NVMe, SAS, SATA flexible collocation, optional support for SAS 3008 and 3108 versions. Supports built-in 1 M.2 NVMe SSDs.
- **Flexible network options:** Each node supports a network expansion module (SIOM) for user flexible networking options such as 1G, 10G, 25G, 40G or 100G. At the same time, it supports one half-height PCI-E3.0X16 expansion slot.

## 4U Multi-node Server

### TA4740TP / TA4785TW



Feature	TA4740TP	TA4785TP
Form	4U 4 Node Rack Server	4U 8 Node Rack Server
Number Of Processors	per node: 1/2	
Processor	Per Node: Supports 2nd Generation Intel® Xeon. Scalable processors (Cascade Lake/Skylake)	
RAM	Per Node: 12 DIMMS; Supports up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2933MHZ, Supports Intel Optane DIMM	Per Node: 12 DIMMS; Supports up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2666MHZ, Supports Intel Optane DIMM
Hard Disk	Each node: Standard 8* 3.5° SATA Hot-swap drive bays, optional support NVMe, SAS,A variety of flexible combinations of SATA , support up to 2 NVMe SSD, 1*M.2 NVMe SSD	Each node: Standard 6*2.5" SAIA Hot-swap drive bays, optional support NVMe, SAS, 5/Equipment flexible collocation, support up to 4 NVMe SSD, 1*M.2 NVMe SSD
Raid support	Optional support for RAID . , 1 , 10 , 5 , 50 , 6 , 60 , etc., RAID 2GB Cache	
Onboard Network	No onboard network port, optional support for Gigabit/10 Gigabit network module (SIOM)	
PCI-E expansion	Each node: 1*PCI-E16 half-height expansion slot, support half-height device expansion	
Other Ports	Each node: USB3.02 , 1 VGA	
Power Supply	Standard 4*2200W titanium redundant power supply	
CD-ROM/Floppy Disk Drive	External USB DVD-ROM	
Management	Each node: Onboard BMC management module, support IPMI2.0, only 1 1000 Mbps RJ45 management network port is available for each node	
Powered By	Full voltage range adaptive server professional power supply, 115V/60HZ, 230V/50HZ adaptive	
Size Weight	(L*W*H): 737mm*448mm*177mm; support 19 -inch standard cabinet, net change is about 68.1 KG	



## TA2906P / TA2908P / TA4904P



Feature	TA2906P	TA2908P	TA4904P
Form	2U rack server		4U rack/tower interchange
Processor	Supports up to two second-generation Intel® Xeon® Scalable Processors scalable family (3 UPI up to 10.4GT/S) ; Dual Socket P (LGA 3647) ; TDP 70-205W		Supports up to two second-generation Intel® Xeon® Scalable Processors Scalable Family (3 UPI upto 10.4GT/S) ; Dual Socket P (LGA 3647)
RAM	Supports up to 16 memory; supports up to 4TB ECC 3DS LRDIMM memory capacity; supports single memory 1 28GB/64GB/32GB/16GB/8GB and other specifications memory stick; low voltage 1.2V; optional Intel® Optane™ DCPMM ; support 2933/2666/2400/21 33MHz ECC DDR4 SDRAM The number of channel memory varies)	Supports up to 16 memory sticks; supports up to 4TB ECC 3DS LRDIMM memory capacity; supports Intel Optane™ memory; supports single memory sticks of 64GB/32GB/16GB/8GB and other specifications; low voltage 1.2V ; supports 2933/2666/2400/21 33MHz ECC DDR4 SDRAM (memory operating frequency also varies with different CPUs and the number of memory per channel)	The most forest supports 1 selenium memory; supports up to 4TB ECC 3DS LRDIMM memory capacity; supports single root 1 28GB/64GB/32GB/16GB/8GB and other specifications memory modules; low voltage 1.2V; lintel® Optane™ DCPMM ; support 2933/2666/2400/21 33MHz ECC DDR4 SDRAM The number of channel memory varies)
Hard Disk	Supports up to 16 2.5 - inch hot-swappable hard drives, 2 of which support NVMe Onboard SATA controller, provides 2 SATA3 (6Gbps) ports , supports RAID . , 1, 5, 10 onboard SAS controllers, providing 2 miniSAS ports for optional SAS RAID . , 1, 5, 10, 50, 6, 60, etc. Optional cache power-off protection 1GB/2GB Cache	Supports up to 16 2.5 - inch hot-swappable hard drive bays, 1 M.2 built- in ssd bay Onboard SATA controller, provides 1 SATA3 (6Gbps) ports, supports RAID 0, 1, 5, 10 Optional SAS RAID 0, 1, 5, 10, 50, 6, 60, etc. Optional cache power-down protection 1GB/2GB Cache	Supports up to 8 3.5 - inch hot-swappable hard drive bays, 2 3.5 - inch / 4 2.5 - inch built-in bays Onboard SATA controller, provides 10 SATA3 (6Gbps) ports , supports RAID . , 1, 5, 10 Optional SAS RAID . , 1, 10, 5, 50, 6, 60, etc. Optional cache power-off protection 1 GB/2GB Cache
I/O interface	power port, optional dedicated 10 Gigabit female 45 network port: compatible with Gigabit and 100M networks 1 rear IPMI 2.0 RJ45 management port 2 rear USB 3.E ports 1 rear VGAg port 1 rear UART^ port	2 10G electrical ports 1 rear IPMI2.0RJ45 management port 2 rear USB 3. drying port 2 rear USB 2 roller ports 1 rear VGAS port 1 rear COM serial port	2 rear 10 Gigabit RJ45 network ports: compatible with Gigabit, not compatible with 100M network 1 rear IPMI 2.0 with 45 management ports 2 rear USB 3.0^0 , 2 front USB3 . Aiming port , 1 TypeAS port _ 2 rear USB 2.Hekou , 2 front USB2.Isou _ 1 rear VGAS port 1 rear COM serial port; 1 front COM serial port
PCIE Expansion	6 PCI -E3.0R6 rate 1 PCI -E 3.0x8 speed ( X16 inches) Supports up to 6 professional graphics cards or accelerator cards Optional SASRAID , HBA , HCA , HFI cards	2 PCI -E3.0x16 ; 2 PCI -E 3.0 6 (or 4 PCI-E 3.0x8) , 4PCI-E3.0 x8 1 PCI -E 3.0x4 (x8 slot) Optional SAS RAID , HBA , HCA , HFI card2	6 PCI -E3.0X16 rate ( X16 inches, double-width slot) 1 PCI -E 3.0 x4 rate ( x8 inches) Supports up to 4 professional graphics cards or accelerator cards Optional SASRAID , HBA , HCA , HFI card
Graphics Card	Integrated display chip		

TA2906P / TA2908P / TA4904P

Feature	TA2906P	TA2908P	TA4904P
Accelerator Card	Optional NVIDIA Tesla series accelerator card Optional NVIDIA Grid virtualization license Optional Intel Phi (Note 1: For application support of various accelerator cards, software and application confirmations are required)	Supports up to 8 single-width GPU cards (x8 rate) (Note 1: Application support for various accelerator cards requires software and application confirmation)	Optional NVIDIA Tesla series accelerator card, the operating environment is not higher than 35 . . When the operating environment is not higher than 30T , the maximum support is 145WCPU Optional Intel Phi, support up to 145W CPU when the operating environment is not higher than (Note 1: For application support of various accelerator cards, software and application confirmations are required)
Fan	5 heavy-duty fans; power modules come standard with separate fans	4 medium-sized fans; independent fans are standard on the power module	4 heavy duty fans; 4 exhaust fans 2 Active Heatsink Power Modules with Adaptive Air Speed Control Independent fans as standard
Power Supply	2000W 1+1 high-efficiency redundant power supply with PMBus function ( 94%plus titanium certification); 220 Vac ; 50-60HZ ; optional USB keyboard, mouse	1000W1+1 high-efficiency redundant power supply with PMBus function (96%plus titanium certification) ; 220Vac; 50-60HZ ; Optional USB keyboard and mouse	2200W 1+1 high-efficiency redundant power supply with PMBus function (96%plus titanium certification) ; 220 Vac ; 50-60HZ
Size is heavy	89mm (height) x437mm ( he) x787mm (depth) net weight 1N9kg	89mm (H) x437mm (W) x650mm (D ) Net weight 16.4 kg	462mm (H) xi 78mm (W) x673mm (D) Net weight 21 kg

## TA4908P / TA4910P / TA4910P2

Boyd's new generation of AI - accelerated computing servers, using Intel 's high-performance chipset, supports the second-generation Intel® Xeon® scalable family of CPUs; part of the budget-heavy and time-consuming code is borne by the GPU , and it is used for applications running on the CPU . Program acceleration to help you complete more computing tasks, process larger data sets, and reduce application runtime.

**Applicable scenarios:** artificial intelligence, deep learning, autonomous vehicles, smart cities, healthcare, big data, high-performance computing (HPC) , virtual reality



Feature	TA4908P	TA4910P	TA4910P2
Form	4U rack server		
Processor	Most Lin holds two second-generation Intel®Xeon a Scalable Processors scalable family (3UPlupto10.4GT/S ) ;Dual Socket P (LGA 3647); TDP 70-205W		
Chipset	Intel C622 series chipset		IntelC621 series chipset
RAM	Supports up to 2 RAMs; supports up to 6TB ECC3DSLRDIMM memory capacity; supports single 1 28GB/64GB/32GB/16GB/8GB and other memory specifications; low voltage 1.2V; optional Intel® Optane™ DCPMM; supports 2933/2666/2400 /21 33MHz ECC DDR4 SDRAM ( memory operating frequency also varies with different CPUs and the number of memory per channel)		Supports up to 24 pieces of memory, DDR4 RDIMMs/LRDIMMs/N- VDIMMS, maximum speed 2933MT/5, supports single memory 51 2G/256G/128GB/64GB/32GB/16GB/8GB and other specifications memory sticks ; optional support for 12 Intel . Optane™ DCPMMs, the highest frequency is 2666MT/S
Hard Disk	Supports up to 24 2.5/3.5 - inch optional hot - swappable hard drive bays, and optional 2 U.2 NVMe bays; SATA controller, provides 10 SATA3 (6Gbps) ports, supports RAID0 , 1, 5, 10 ; Optional SASRAID0 , 1, 5, 10, 50, 6, 60, etc.; optional cache power-down protection 1GB/2GB/4GB Cache		Supports 12 3.5 -inch hot - swappable hard drives, with a maximum expandable configuration of 16/24 2.5 - inch SAS/SATA hard drives, including 4 Supports U.2 NVMe hot - swappable bays; supports 2 M.2 NVMe SSDs onboard; supports 0, 1, 5, 10, 50, 6, 60, etc.
I/O interface	2 rear 10 Gigabit RJ45 network ports: compatible with Gigabit and 100M networks; 1 rear IPMI2.0RJ45 management port; 4 rear USB 3.0 ports; 1 rear VGA port; 1 rear COM serial port		1 rear IPMI2.0 with 45 management ports; 2 front USB 3.0 ports, 2 rear USB 3.0 ports; 1 front VGA port; one front BLCDMiniUSB ; 1 rear standard DB9,
PCI-E expansion	8 PCI -E3.0X16 rate ( X16 inches, dual SSW) 2 PCI -E 3.0x8 rate, 1 PCI -E 3.0x4 rate , supports up to 8 professional graphics cards or accelerator cards, optional SASRAID , HBA , HCA , HFI card	"1 PCI-E 3.0 x1 6 rate ( X16 inches, double-width slot ) , 1 PCI -E3.0 X8 rate ( X16 inch, double-width slot) , supports up to 10 professional coil cards or accelerator cards , optional SASRAID , HBA , HCA , HFI card	10 PCI -E 3.0x16 double-width; 2 PCI -E3.0 X8 ; optional SASRAID , HBA , HCA card
Graphics Card	Integrated display chip		
Accelerator Card	Optional NVIDIA Tesla series accelerator card, optional NVIDIA Grid virtualization license, optional Intel Phi (Note 1: Application support for various accelerator cards requires software and application confirmation)		Supports up to 10 full-height full-length double-width professional graphics cards or accelerator cards; supports NVIDIA TesLaA100/A40/A30/A10/A600 0/A5000/A4000^ PCI e accelerator cards
Fan	8 straight fans; power modules come standard with independent fans		
Power Supply	2200W 2+2 high-efficiency redundant power supply with PMBus function ( 96% plus titanium certified); 220 Vac ; 50-60HZ ; optional USB keyboard, mouse		2/3/4 power modules, support 1+1 , 2+1 , 2+2 , 3 + 1 redundancy, support unplugging, optional 220V lake /240V DC /336v DC /-48v DC input, optional 1300W/1600W/2000 resistivity
Size	178mmx437mmx737mm		175mm*447mm*800m

## TA4904W / TA4908WV / TA4910W



Feature	TA4904W	TA4908WV	TA4910W
Form	4U rack/tower interchange	4U rack server	4U/4.5U rack server
Processor	Supports up to two third-generation Intel® Xeon® Scalable processor, TDP max 270W	Support up to two third-generation Intel-Xeon® scalable processors, TDP up to 270W, support 3UPI	Supports up to two third-generation Intel®, Xeon® & scalable processors, TDP up to 270W
Chipset	intel series chipset	intel C621AJ series chipset	
RAM	Supports up to 16M memory; supports up to 4TB ECC3DS LRDIMM memory capacity; supports intel® Optane™ DCPMM200 series; supports single root 1 28GB/64GB/32GB/16GB/8GB and other specifications memory sticks; low voltage 1.2V; support 3200/2933MHZ, etc. (memory operating frequency will also change due to different CPUs and the number of memory per channel)	Supports up to 32 memory; supports up to 6TB ECC3DS LRDIMM memory capacity; supports single memory 1 28GB/64GB/32GB/16GB/8GB and other specifications memory modules; low voltage 1.2V; support 3200/2933MHZ ECC DDR4 5DRAM (memory operating frequency will also vary with different CPUs and the number of memory per channel) Support Intel Optane Persistent Memory 2.0 series	Supports up to 32 memory; supports up to 8TB ECC 3DS LRDIMM memory star; supports single memory 1 28GB/64GB/32GB/16GB/8GB and other specifications memory sticks; low voltage 1.2V; intel® Optane™ DCPMM200 series; support 3200/2933ECC DDR4 5DRAM (memory operating frequency will vary with different CPUs and the number of memory per channel changes)
Hard Disk	Supports up to 8 3.5 - inch hot-swappable hard drive bays, 2 3.5" / 4 2.5" built-in bays; Onboard SATA controller, provides 1gSATA3 (6Gbps) ports, supports RAID ., 1, 5, 10 Optional SASRAID0, 1, 5, 10, 50, 6, 60, etc. Optional cache power-off protection 1GB/2GB/4GB Cache	Supports up to 6 2.5 - inch SATA/SAS/NVMe hot-swap hard drives; optional rear 4 2.5 - inch SATA/SAS/NVME hot - swap hard drives; onboard SATA controller, providing 6 SATA3 (6Gbps) ports, support RAID ., 1, 5, 10 optional SAS RAID ., 1, 5, 10, 50, 6, 60, etc. Optional cache power-off protection 1GB/2GB/4GB Cache	Supports up to 24 2.5 - inch hot-swap hard drives; optional supports 8 NVMeU.2 hot - swap bays; onboard SA1A controller, provides 10 SATA3 ( 6Gbps ) ports, supports RAID0, 1, 5, 10; Optional SASRAID0, 1, 5, 10, 50, 6, 60, etc. Optional cache power-off protection 1GB/2GB/4GB Cache
I/O interface	2 rear 10 Gigabit 45 network ports: compatible with 1 gigabit 1 rear IPMI2.0 RJ45 management port 2 rear USB 3 storage ports, 2 front USB3.0SH, [1 Type backup port 1 rear VGA interface, 1 rear COM serial port, 1 front COM serial port	1 A10M slot, support OCP3.0 network card 1 rear IPMI 2.0 RJ45 management port 2 rear USB3.0^ ports 1 rear VM port	2 rear 10 Gigabit RJ45 network ports: compatible with Gigabit 1 rear IPMI2.0RJ45 management port 4 rear USB 3. Aiming port 1 rear VGA port 1 rear COM serial port
PCI-E expansion	6 PCI -E4.0X16 rate ( X16 inch, double wide slot) 1 PCI -E 4.0x8 rate optional SAS RAID , HBA , HCA , HFI card	8 PCIe 4.0x1 6 LP (via RDMA for IB EDR) 2 PCIe 4.0 xl 6 LP from CPUs Optional SAS RAID , HBA , HCA , HFI cards	12 PCI -E4.0E6 rate ( x16 inches, double wide slot) 1 OCP network card slot Optional SASRAID , HBA , HCA , HFI card
Graphics Card	Integrated display chip		
Accelerator Card	Supports up to 4 full-height and full-length dual-dimensional professional graphics cards or accelerator cards, and supports NVIDIA Tesla AI 00/A40/A30/A10/A6000/A5000/A4000 and other PCIe accelerator cards (Note 1: For the support of multiple cards, software and application confirmation is required) (Note 2: The same - in the system , only professional graphics cards of the same	Support NVIDIA HGXA1 00, up to 8 NVIDIA Tesla AI 00 40GB/80GB NVLin . mouth speed card	Supports up to 10 full-height and full-length dual-dimensional professional graphics cards or accelerator cards, and supports NVIDIA Tesla AI 00/A40/A30/A10/A6000/A5000/A4000 and other PCIe accelerator cards (Note 1: For the support of multiple cards, software and application confirmation is required) (Note 2: In the same system, only professional graphics cards of the same model and specification are supported)

TA4904W / TA4908WV / TA4910W



Feature	TA4904W	TA4908WV	TA4910W
Fan	4 heavy duty fans; 4 exhaust fans 2 active radiator power modules with adaptive air speed control Standard independent fans	4 heavy duty fans; separate fans standard on power modules	8 heavy duty fans, the power module comes standard with independent fans
Power Supply	2200W 1+1 high-efficiency redundant power supply with PMBUS function ( 94%plus titanium certified) ; 220 Vac; 50-60HZ	3000W 2+2/2200W 3+1 High Efficiency Redundant Power Supply with PMBus* Performance ( 96%plus Titanium Certified), 220 Vac, 50-60HZ	2000W 2+2 high-efficiency redundant power supply with PMBus function (96% pLus titanium button), 220 Vac, 50-60HZ
Size Is Heavy	460mm (H) x1 78mm (W) x673mm (D) 24kg	174mm (H) x446mm ( W) x900mm (D ) 75.3 kg	178mm step) x437mm ( W) x737mm (D ) 29.7kg

## TA2710P / TA2715P2 / TA2715P

The latest 2U server product, which adopts Intel C620 series high-performance chipset or Intel C624 high-performance chipset, supports the second generation Intel Xeon® Scalable series processors, and this model supports up to 2TB of memory capacity Or 3TB, supports 8 hot-swap 3.5 -inch hard drives by default , optional 12 -disk /24 -disk version, and optional full-height full-length PCI-E devices. The highly integrated design brings strong performance in a limited space to support mission-critical operations. Provides advanced management functions and storage technology with reliable scalability and high availability.

## Application

- **Network service provider:** suitable for cloud computing, virtualization applications, big data analysis, online games, mail and information processing, Web search; intelligent, large-scale virtualization and large-scale node technology computing; optimized rack, 2U form factor, with It helps users to quickly deploy and efficiently maintain large-scale cluster solutions.
- **Growing data center:** The performance is up to 140% higher than the previous generation product, and it has better energy efficiency.
- **Cloud computing solutions :** By improving security, eliminating I/O bottlenecks, optimizing density and performance, providing reliable virtual resources, solving storage challenges brought about by explosive data growth, and providing the best for private, public and hybrid clouds and reliable solutions.

## Product Highlights

- **High performance:** supports up to 2 28 -core 2nd generation Intel® Xeons . The scalable series of processors can provide powerful computing power to help users cope with heavier computing pressure. Supports Intel® Communication Acceleration Technology (Intel® QAT), Intel® Advanced Vector Extensions (Intel® AVX -512) . 12 memory 16 or 24 memory DIMM slots, maximum support 2TB or 3TB 2933MHZ/DDR4, optional support for AEP memory. Full support for M.2 and U.2, faster transmission speed, lower power consumption and higher reliability. It supports 3 or 6 expansion slots by default , and can optionally be increased to 8 expansion slots, providing users with flexible connection options. It integrates 2 Gigabit data network ports by default, and can optionally add a dual Gigabit data network port module, or a dual 10-Gigabit data network port module. It has the characteristics of load balancing, link aggregation and redundancy support, which can effectively Reduce network delay, one 1 000M dedicated network port for remote management .
- **High reliability :** supports up to 12 3.5 " and 2 2.5" hot - swap SATA/SAS/SSD hard drives, or 26 2.5" SATA/SAS/SSD hot - swap hard drives. ( Optional SAS is required to select SAS hard drives Expansion kit); optional support for high reliability RAID5, improve data processing performance and data protection function; adopt intelligent cooling system, effectively reduce noise pollution, create a constant temperature space of the box; fully shielded against electromagnetic radiation, anti-interference, anti-static (EMI) ) design; supports Intel® Communications Acceleration Technology (Intel® QAT) to provide secure high-performance and accelerated compression, enabling network, cloud services and storage functions to provide reliable protection for virtual and cloud environments; optional support for 1 +1 The fully redundant power supply mode supports PMBUS power consumption monitoring, module loss alarm and other functions, providing higher security for the operation safety of the server.
- **Low power consumption:** Supports frequency reduction function, which can reduce system energy consumption at low load; comprehensively adjusts fan speed according to the temperature of thermally critical components, which reduces noise and improves fan reliability while saving energy; supports PDCM (Power Efficiency Manager) , which provides automated server power consumption control that helps accomplish more with fewer resources.



Feature	TA2710P	TA2715P2	TA2715 P
Form		2U rack server	
Processor	2nd Generation Intel Xeon Scalable Family of Processors		
RAM	16 DIMM slots, support 2933MHz DDR4 RDIMM memory	24 DIMMSa, Support 2933MHz DDR4 RDIMM memory , maximum support 3TB, optional support for AEP memory	
Hard Disk	Front: can support 8 (default) /12 2.5 /35 - inch SAS/SATA/SSD hard drives, or 24 2.5 - inch SAS/SATA/SSD hard drives	Front announcement: Can support 8 ( default ) /12 2.5 / 3.5 -inch SAS/SATA/SSD hard drives, or 24 2.5 - inch SAS/SATA/SSD hard drives	
Raid support	Support SATA RAID . , 1 , 10 , 5, Optional support SASRAID0 , 1 , 10 , 5 , 50 , 6 , 60^, RAID no cache /1GB/2GB cache, optional cache power failure protection		
Onboard Network	Integrated 2 Intel X722 Gigabit GE network ports;can be optionally added with 1 dual Gigabit data OCP network port module, or 1 Caizhao Data OCP Network Port Module	Integrated 2 intel X722 10 Gigabit 45 Ethernet ports; optional Gigabit and 10 Gigabit OCP modules /network cards	



## TA2710P / TA2715P2 / TA2715P



Feature	TA2710P	TA2715P2	TA2715P
PCI-E expansion	<p>By default , it provides 3 PCI -E3.0^ standard slots, 1 OCP dedicated slot (PCI -E3.0) , up to 6 PCI -E3.0 standard slots, 1 OCP dedicated slot ( PCI-E3.0 ) :</p> <p>PCI-E slot 1 (from CPU0 ): 1* half-height PCI-E3.0X16 slot (default);</p> <p>PCI-E slot 2 (lead from CPU0 ): 1* half-height PCI-E3.0X8 slot (default) ;</p> <p>PCI-E slot 3 (from CPU1 ): Optionally install a riser card, which can optionally support 3* full-height PCI-E3.0X8 slots, or 1* full-height double-width PCI-E3.0X16 slots and 1* Full height PCI-E3.0X8 slot;</p> <p>PCI-E slot 4 (from CPU1 ): 1* half-height PCI-E3.0X8 slot (by default, when an adapter card is selected for PCI-E slot 3 , slot 4 needs an adapter card to support );</p> <p>OCP dedicated slot ( lead from CPU0 ) : 1*TypeA/C slot ( default )</p>	<p>Provides 6 PCI -E3.0 standard slots by default, 1 dedicated slot (PCI-E3.0) , and up to 8 PCI -E3 standard slots,</p> <p>1 dedicated slot (OCTypeA) :</p> <p>PCI-E slot 1 (from CPU0 ): The default riser card supports 2* full-height PCI-E3.0X8 (in*16) slots, 1* full-height PCI-E3.0X8 slot slot, or can support 1* full-height double-width PCI-E3.0X16 slot, 1* full-height PCI-E3.0X8 slot;</p> <p>PCI-E slot 2 (from CPU1 ): The default riser card supports 2* full-height PCI-E3.0X8 (in*16) slots, 1* full-height PCI-E3.0X8 slot slot, or can support 1* full-height double-width PCI-E3.0X16 slot, 1* full-height PCI-E3.0X8 slot;</p> <p>PCI-E slot 3 (from CPU1 ): optional riser card supports 1* half -height HP-PCI-E3.0X8 slot, or 2* half-height PCI-E3.0X8 slot;</p> <p>Dedicated slot (out of CPU0) : 1* OCTypeA slot (PCI-E3.0X8)</p>	<p>Provides 6 PCI -E3.0 standard slots and 1 dedicated slot (PCI-E3.0) by default, and provides up to 8 PCI -E3.0 standard slots and 1 dedicated slot (PCI-E3.0 ) :</p> <p>PCI-E slot 1 (from CPU0/1 ): The default riser card supports 2* full-height PCI-E3.0X8 (in*16) slots (CPU0) , 1* full-height PCI-E3.0X8 slot (CPU1) , or optional support 1* full-height double-width PCI-E3.0X16 slot (CPU0) , 1* full-height PCI-E3.0X8 slot (CPU1) ;</p> <p>PCI-E slot 2 (from CPU1 ): The default riser card supports 2* full-height PCI-E3.0X8 (in*16) slots, 1* full-height PCI-E3.0X8 slot, or optional support 1* full-height Double width PCI-E3.0X16 slot, 1* full height PCI-E3.0x8 slot;</p> <p>PCI-E slot 3 (from CPU1 ): optional riser card supports 1* half-height PCI-E3.0X8 slot, 1* half-height PCI-E3.0X4 (in*8) slot;</p> <p>Dedicated slot ( lead from CPU0 ) : " Mezzanine slot (default)</p>
Other Ports	<p>USB2.0 interface: 1 (internal 1 )</p> <p>USB3.0 interface: 5 ( 2 at the front, 3 at the rear )</p> <p>VG port: 2 ( 1 at the front, 1 at the rear )</p> <p>Management network port: 1 ( 1 at the rear )</p>	<p>USB3.0 interface: 5 ( 2 at the front, 3 at the rear )</p> <p>VGA interface: 2 ( 1 at the front, 1 at the rear )</p> <p>Serial interface: 1 (1 at the rear )</p> <p>Management network port: 1 ( 1 at the rear )</p>	<p>USB2.0 interface: 1 (internal 1 )</p> <p>USB3.0 interface: 5 ( 2 at the front, 3 at the rear )</p> <p>VG port: 2 ( 1 at the front, 1 at the rear )</p> <p>Serial interface: 1 (1 at the rear )</p> <p>management network port : 1 ( 1 at the rear )</p>
Display Controller	Mfit Aspeed AST2500		
Fan	4 hot-swappable fans, optional extra fans	6 hot-swappable redundant fans	
Power Supply	<p>One 550W Platinum AC power module is standard; it supports 1 + 0 single power supply mode, or 1+1 redundant power supply mode; the power module can choose 550W/800W/1200W Platinum AC power supply module, and 8Q0W DC - 48V power supply module</p>	<p>One 800W Platinum AC power module is standard ; it supports 1 +0 single power supply mode, or 1+1 redundant power supply mode; the power module can choose 800W/1200W Platinum AC power supply module, and 800W DC - 48V power supply module</p>	
Size Weight	Height 87mm* width 438mm* depth 735mm, built 19" photo ,: SMK configuration gross weight about 19KG		

## TA3216C / TA4224C / TA4236C

MVS series products are mass storage servers dedicated to enterprise-level network video surveillance, which can provide up to 100 -channel HD or 400 -channel SD concurrent monitoring stream writing, and support 12Gbps transmission bandwidth and single-module storage up to 576TB space. Using RIAD technology, hot-swappable hard disks, dual Gigabit Ethernet ports, redundant hot-standby power supplies, and intelligently controlled fans, completely protect users' data security.

The device can run directly on the standard Ethernet network and is fully compatible with the existing Ethernet network infrastructure and existing network management software, providing an extremely economical high-performance video surveillance network storage solution.

## Application

- MVS storage servers are widely used in video surveillance industries such as Safe City, Telecom Global Eye, Netcom, Broad Vision, and banking, transportation, and enterprises. It has the advantages of high performance, high reliability, high scalability and integration, and the highest price ratio.

## MVS series Product Comparison Table



Feature	TA3216C	TA4224C	TA4236C
Form	3U rack server	4U rack server	4U rack server
Compatibility	Can support monitoring platform software under Windows/linux system		
Maximum Number of Hard Drives	16	twenty four	36
Maximum capacity	256TB	384TB	576TB
Hard Drive Specifications	Surveillance/Enterprise SA1A		
RAID Is Quite	Support RAID 0, 1, 5, 6, 10, 50, 60		
Network Interface	Standard 2 Gigabit Ethernet ports (expandable)		
Processor	Support 1 intel ( 13-8/9 series ) /intel Xeon E-21 00/2200 series		
RAM	4 DIMM slots , support up to 128G DDR4 UDIMM ECC memory		
Expansion Slot	1*PCI-E3.0x16(x8); 1*PCI-E3.0x8 ; 1 *PCE-E3.0x8(x4)		

## Dual-Socket Edge Computing Server TA2530P

Baode TA2530P is the latest 2U edge server product launched by Baode Company. It adopts Intel C621 high-performance chipset and supports the second generation Intel Xeon® Scalable series processors. This model supports up to 12TB of memory capacity, Supports 4 hot-swappable 2.5-inch hard drives, and can flexibly expand half-height full-length PO-E devices. The highly integrated design brings strong performance in a limited space to support mission-critical operations. TA2530P provides advanced management functions and storage technology with reliable expandability and high availability



### Application environment

- **5G edge data center:** The TA2530P is suitable for deploying small-scale data centers at the edge of the network, locally processing terminal requirements, and meeting the ultra-low latency requirements of URLLC and mMTC. It adopts a telecom standard design, with a height of 2U and a depth of 450mm, which can be mixed with telecom equipment. Optimized in terms of high temperature resistance, dust resistance, electromagnetic interference, and shock resistance, it is suitable for simple edge environment requirements.
- **IoT edge solutions:** By improving environmental adaptability, edge computing, optimizing edge computing density and performance, solving the challenges of bandwidth, latency, and computing performance brought about by the growth of the Internet of Things, and providing the most excellent and reliable solutions for the Internet of Things.

### Core Advantage

- **High performance:** supports up to two 22 -core second -generation Intel and Xeon® Scalable series processors, which can provide powerful computing power and help users cope with heavier computing pressure. Supports Intel® Communication Acceleration Technology (Intel® QAT), Intel® Advanced Vector Extension Instruction Set (Intel® AVX-512). 8 memory channels, 8 memory DIMM slots, supports up to 1TB 2933MHz/DDR4 or Fully supports M.2 and SD card. 6 expansion slots provide users with flexible connection options. Onboard 2 gigabit data network ports, with load balancing, link aggregation and support for redundancy, can effectively reduce network delay, 1 1000M dedicated network port for remote management.
- **High reliability:** supports up to 4 hot-swappable 2.5" SAS/SATA/SSD hard disks. (Selecting SAS hard disks requires an optional SAS expansion kit); using industrial server structure design, in terms of high temperature resistance, dust resistance, shock resistance, etc., it is suitable for Edge computing applications with simple environment. Adopt intelligent cooling system to ensure long-term stable operation of servers in high temperature environment, effectively reduce noise pollution, and create a constant temperature space for cabinets; fully shielded anti-electromagnetic radiation, anti-interference, anti-static (EMI) design. Support Intel® Communication Acceleration Technology (Intel, QAT) to provide secure high performance and accelerated compression, realize network, cloud service and storage functions to provide reliable protection for virtual and cloud environments. Optional support for 1+1 full redundancy The redundant power supply mode supports PMBUS power consumption monitoring, module loss alarm and other functions, providing a higher security guarantee for the operation safety of the server.
- **Low power consumption:** Support frequency reduction function, which can reduce system power consumption at low load. The fan speed is comprehensively adjusted according to the temperature of the thermally critical components, which saves energy while reducing noise and improving the reliability of the fan. Support for PDCM V2.0 (Power Efficiency Manager) provides automated server power consumption control, helping to accomplish more with less resources.

Feature	TA2530P
Form	2U rack server
Exterior	Can support monitoring platform software under Windows/linux system
Hard Disk	Front: Supports 4 2.5 - inch SAS/SATA/SSD hard drives Built-in: 1 PCI -E M.2 SSD
Other Ports	USB2.0 interface: 2 ( 2 on the front ); USB3.0 interface: 1 ( 1 inside ); VGA interface: 1 ( 1 on the front ); Management network port: 1 ( 1 on the front ) )
Size	Height 88mm* Hui 438mm * Depth 450mm, the minimum configuration gross weight is about 17KG
Power Supply	Standard 1 550W Platinum AC power module; support 1 +0 single power supply mode, or 1+1 redundant power supply mode; power module optional 550W/800W Platinum AC power module, support 240V high voltage DC power supply; and optional 800W DC -48V Power Module
Fan	3 hot-swappable fans
Manage	Support IPMI2.0, provide 1 100/1000 Mbps RJ45 management network port, integrate iKVM, support remote management
Show Small	Integrated ASPEED AST2500
SATA RAID	Support SATA RAID . , 1 , 10 , 5, optional support SAS RAID0. 1 , 10 , 5 , 50 , 6 , 60 , etc., RAID no cache /1GB/2GB cache, optional cache power failure protection

## TA-901K / TA-908C / TA-1003V / TA1003V2



Features	TA-901K	TA-908C	TA-1003V	TA-1003V2
processor	7th generation i3 , i5 , i7 , Pentium, Celeron and other CPUs	Six or seven generations of i3 , i5 , i7 , Celeron, Pentium and some Xeon CPUs	Up to 6-core NVIDIA Carmel ARMv8.2 64-bit CPU	1 ; Up to 8-core NVIDIA Carmel ARMv8.2 64-bit CPU
RAM	1* DDR4 SO-DIMM memory slot, up to 16GB	2*DDR4DIMM memory slots, single maximum 32G, total maximum 64GB	8 GB 128-bit LPDDR4x@1600MHz, 51.2GB/S	Optional 32GB/64GB LPDDR4X
Flash	/	/	16GeMMC	32G eMMC
Storage	1*MSATA*SATA	1*MSATA 2*SATA	1*TF Card Slot	TF Card Slot ,M.2 SSD 2280 4X Nvme high-speed storage
Network Port	2*10/100/1 DOOM bps RJ45/Intel	6*10/100/1 OOOM bps RJ45	Support 4 RJ45 Gigabit POE network ports (Intel 1350AM high - performance network card)+1 female 45 gigabit, universal network port	Support 7 RJ45 Gigabit POE network ports (Intel I350AM+I21W high - performance network card) + 1 RJ45 Gigabit, general network port
AI Solutions	intel Movidius	intel Movidius	Nvidia GPU Cloud Ecosystem	Nvidia GPU Cloud Ecosystem
Show	1*VGA, 1*HDMI, 1*IVDS( optional)	Intel CPU built-in graphics core	1*HDMI (4K@p60) 1*DP (4K/8K@p120/60)	1*HDMI (4K@p60) 1*DP (4K/8K@p120/60)
Heat Dissipation	Fanless aluminum alloy cooling	Active fan cooling system	Active cooling by turbo fan	Turbo fan actively dissipates heat, supports speed detection and intelligent fan control to ensure good heat dissipation of the chassis
Other Interface	4*COM, of which COM1/23^ supports RS - 232/422/ 48 type selection 4*USB3.0 port , 2*USB2.0^ port 1*8-bitGPIO (Fenghuang terminal AE connector) 1*AUDIO : Mic-in, Line-out (optional) Reserve ATX open jack lead wire interface (Fenghuang terminal block connector)	1*HDMI, 1*VGA 1CTCOM, COM 1/2 supportRS-232/48 type selection 8*USB3.0 port / 5*USB2.Og port 1 *LLP17GPIC «E pin, support 1_ring , can provide 16 GPIO control ( LPT and GPIGMic-in, Line-out (optional) Reserve AD (open wire interface ( Fenghuang terminal block connector)	1*MiniPCIe1*4G interface supports 4G Internet access, 1*5G interface supports 5G Internet access, 1*GPIO	External 2*USB3.0(This interface supports Recovery) External 4*USB2.Q+ Built-in 1 *USB2.0 ]*MiniPCIe, supports WIFI/BT/4G 1*5G interface supports 5G Internet access 2*GPIO (2*5PIN external interface) Provides 16 GPIO input/output control
Power Supply	DC9~36V input	250WAFX power supply	DC 7-19V input	DC input
Operating System	Windows/Linux	Windows/Linux	Linux	Linux

## TA6610C / TA6610W / TA6620P / TA6630W1



Features	TA6610C	TA6610W	TA6620P	TA6630W1
Physical Properties(H*W*L)	525mm*198mm*553mm	525mm*198mm*553mm	525mm*198mm*533mm	425mm*220mm*620mm
CPU	Support Intel. Xeon . E-2100 , 8th /9th generation processors	Supports Intel Xeon.W1 200 series or generation processors	Support 2 IntelSocket P (LGA 3647) series processors (power consumption below 150W )	Supports 1 Intel. Xeon® Skylake-W (LGA2066) series processor
RAM	4 memory DIMM slots, support up to 128GB DDR4 2666/2400MHZ ECC/non-ECC UDIMM memory	4 memory DIMM slots, up to 128GB DDR4 2933/2666/2400MHZ ECC/non-ECC UDIMM memory (up to 4400MHz)	16 DIMM slots, DDR4 ECC-2666MHZ REG memory , up to 2TB	8*RDIMM, maximum support 512GB DDR4
hard disk	motherboard provides 8 SATA3 interfaces, the machine standard supports up to four SATA non -hot-plug hard disks, optional four-bit hot-plug modules, optional external SAS expansion cards support SAS hard disks.		Supports four 3.5/2.5 - inch SATA non-hot-swap hard drives, optional 4 -bit hot-swap modules	motherboard integrates 6 SATA3 (6Gbps), the host supports a maximum of 8 non -hot-swappable hard disks, optional support for 2 4 -bit hard drives, supports RAID 0 , 1 , 5 , 10
M.2	1 M.2 interface (PCI-E 3.0x4 ) , supports 2230/2242/2260/2280 specifications	2 M.2 ports (PCI - E 3.0x4) ,Support 2280/22110 specifications	M.2 interface: PCI-E 3.0x4M.2 size: 2260, 2280, 22110	/
Expansion Slot	1xPCIe3.0x16,1xPCIe3.0x8,2x PCIe3.0x4	5 expansions: 5xPCIe3.0x16 ( X16/X8/X4/X4/X1) to provide users with flexible connection options, if there is M.2 on the board - X4 cannot be used	4*PCI-Express*16 3.0(Maximum 2 double-width full-height full-length graphics cards are supported)2*PCI-Express*8 3.02 PCI-E 3.0 NVMe X4 internal interface	Provide 4 expansion slots: 3*PCI-E 3.0 XI 6 ( running speed 8/16/16) ,1*PCI-E 3.0x4
Network Card	Onboard 2 gigabit data network ports (inteli210, Intel i219LM) ; optional Intel gigabit and 10 gigabit network cards	Onboard 2 gigabit data network ports (Intel 2.5GbE, intel I.OGbE); optional external intel gigabit and 10 gigabit network cards	Integrated two Intel i350 Gigabit Ethernet cards, support 1/ . AT technology	Integrated dual Gigabit LAN ( 1 1210 - same AQC108 ) ; optional external Intel Gigabit and 10 Gigabit LAN
Display Controller	motherboard integrates 1 HDMI, 1 DP, 1 VGA, optional full-height/half-height PCI - E XI6 graphics card, can support 1 graphics card	Onboard 2 Gigabit data network ports (Intel 2.5GbE, Intel I.OGbE); optional external Intel Gigabit and 10 Gigabit network cards	/	Onboard VGA
Other Ports	2 USB - 45 network ports, 6 USB ports at the rear of the case, 2 USBZodi at the front of the case, 4 USB3.1 at the back of the case , 1 DB9 serial port1 HDMI , 1 VGA , 1 DP integrated sound card ALC892 ( 3jack )	2 RJ-45 network ports, 8 USB ports at the rear of the chassis, 4 USB 3.2 ports, 4 USB2.0® ports1 HDMI , 2 DP Audi ports , 1 PS / 2 port	2 RJ-45 network ports, located at the rear of the chassis 4 USB3.0 ports , located at the rear 2 USB3.0 ports, located on the front panel 1 serial port, located on the motherboard	2 Gigabit female- 45 Ethernet ports, 6 USB3.0 ports at the rear of the chassis , 2 at the front of the chassis (behind the panel), 4 at the rear
Power Supply	DC9~36V input	250WAFX power supply	DC 7-19V input	DC input

## TA4610C / TA4620P / TA4630X



Feature	TA4610C	TA4620P	TA4630X
Form	4U rack mount	4U rack mount	4U rack mount
Processor	7th generation i3 , i5 , i7 , Pentium, Celeron and other CPUs	Up to 6-core NVIDIA Carmel ARM»v8.2 64-bit CPU	Supports 1 Intel ° Core tm  9-X, I9 Extreme X (LGA2066) series processor
RAM	4 memory DIMM slots, support up to 128GB DDR4 2666/2400MHZ ECC/non-ECC UDIMM memory	16 DIMM slots , DDR4 ECC-2666MHZ REG memory , maximum support 2TB	8DIMM, maximum support 256GB non-ECC 2933MHZ/DDR4 UDIMM
Physical Properties	Height 176mm* width 430mm* depth 546mm, support 19" cabinet, minimum configuration gross weight is about 16.5KG	Height 176mm* width 430mm* depth 546mm, support 19 " cabinet, minimum configuration gross is about 16.5KG	Height 1 76mm* width 430mm* depth 546mm
Hard Disk	The motherboard provides 8 SATA3 interfaces,1 is optional . One SAIA 3.5" hot-swap hard disk expansion slot, built-in 4 3.5 " SATA , optional external SAS expansion card supports SAS hard disk	motherboard provides 10 SATA3 ports, optional 10 SATA 3.5" hot - swap hard disk expansion slots, built-in 4 3.5 " SATA . Optional external SAS expansion card supports SAS hard disks	motherboard integrates 6 SATA3 (6Gbps), the host supports 4 non-hot-swappable hard drives, and supports RAID 0, 1, 5, 10
M.2	1 M.2 interface (PCI-E3.0x4 ) , support 2230/2242/2260/2280 specifications	M.2 interface: PCI-E 3.0 x4M.2 size: 2260, 2280, 22110	Provides 2 M.2 ports (PCI-EX4, 2280/22110 ),2 U.2 ports (PCI-EX4 )
Expansion Slot	1xPCIe 3.0x16,1xPCIe3.0x8,2xPCIe3.0x4	4*PCI-Express*1 6 3.0 (Maximum support 2 full height cards)2*PCI-Express*8 3.02 PCI-E 3.0 NVMe X4 internal interface	Provides 5 PCI -E expansion slots: 4*PCI-E3.0x16 ( runtime rate (8/NA/1 6/16 or 8/8/8/16 or NA/4/8/16(Skylake-X 28 Lanes) or NA/4/4/8(Kabylake-X), VPCI-E2.0 x1(in *1)
Network Card	Onboard 2 Gigabit data ports (Intel 1210, IntelI219LM) ; optional external Intel Gigabit and 10 Gigabit network cards	Integrated two Intel i350 Gigabit Ethernet cards, support I/O AT technology	Integrated 2 Gigabit LAN ( I210-AT&AQC108); optional external Intel Gigabit and 10 Gigabit LAN
Other Interface	2 x Machi 45 network ports, located at the rear of the chassis , 2 x USB2.W at the rear of the chassis , 4 x USB3.1 located at the rear of the chassis, 1 x DB9 serial port1 secondary DMI , INGA , 1 DP round sound card ALC892 (3jack)	2 RJ-45 network ports, located at the rear of the chassis 4 USB3.0 ports , located at the rear 2 USB3.0 ports, located on the front panel 1 serial port, located on the motherboard	2 gigabit RJ45 network ports, located at the rear of the chassis 4 USB3.1 ports ( 3 Type A, 1 Type C ), located at the rear of the chassis ; 4 USB3.0 , 2 USB3 . On the rear; 2 PS/ 2 ports
Power Supply	Standard 500W workstation dedicated gold power supply, optional 1 000W single power supply, 550W/800W 1+1 redundant power supply	1000w workstation dedicated gold power supply ( meltable 800W/1200W 1+1 CRPS redundant power supply option)	Standard 1000W workstation dedicated power supply, optional 1000W gold power supply for mute kit, 800W1+1 redundant power supply



## TA4610C / TA4620P / TA4630X



Features	TA4620P	TA4610W
Form	2U rack mount	2U rack mount
Processor	Up to 6-core NVIDIA Carmel ARM*v8.2 64-bitCPU	Intel Xeon is supported. W1200/W1 300 series or 10th /11 generation processors
RAM	16 DIMM slots, DDR4 ECC-2666MHZ REG memory , up to 2TB	4 memory DIMM slots, maximum support 128GBDDR4 3200/2933/2666MHZ ECC/NOECC UDIMM memory
Physical Properties	Height 88mm* width 430mm* depth 675mm, support 19" cabinet, the minimum configuration gross weight is 16.5KG	Height 88mm* width 430mm* depth 675mm, support 19" cabinet
Hard Disk	system provides 10 SATA3 ports, 8 SATA 3.5 hard disk expansion slots , optional external SAS expansion card to support SAS hard disks	Built-in 4 3.5 - inch SATA, optional external SAS expansion card to support SAS hard disk
M.2	M.2 Interface: PCI-E 3.0 X4, M.2 Specifications: 2260, 2280, 22110	2 M.2 ports (PCI-E 3.0X4 ) , support 2280/22110 specifications
Expansion Slot	4*PCI-Express*16 3.0 (full height card) 2*PCI-Express*8 3.02 PCI-E 3.0 NVMe X4 internal interface	5 xPCIe 3.0 X16 (x16/x8/x4/x4/x1 ) provide users with flexible connection options, if M.2 is installed on the board , there is an X4 that cannot be used
Network Card	Integrated two Intel 1350 Gigabit Ethernet cards, support 1/ . AT technology	Onboard 2 Gigabit data ports (Intel i210, Intel I219LM) ; optional external Intel Gigabit and 10 Gigabit LAN
Other Interface	2Tenku Y5 net entrance, located at the end of the halo4 USB3.0S ports , located at the rear2 USB3.0S ports , located on the front panel1 serial port, located on the motherboard	2 Ling- 45 network ports, 8 USB ports at the rear of the chassis, 4 USB3.2, 4 USB2.01 HDMI , 2 DP integrated sound card ALC1220-VB Audios port , 1 PS / 2 interface
Power Supply	Standard 600W power supply, optional 500W/800W 1 +1 high-efficiency hot-swap redundant power supply (standard redundant power supply when full-height and full-length graphics card is optional)	Standard 600W server single power supply Optional 550W 1 +1 high-efficiency hot-swappable redundant power supply

## NET Series:

### TA-NET-171S / TA-NET-280A / TA-NET-787S1 / TA-NET-874G2



Features	TA-NET-171S	TA-NET-280A	TA-NET-787S1	TA-NET-874G2
Model	On-shelf network security machine	19 -inch standard 1U/2U rack mount	19 -inch 2U standard rack-mounted machine	On-shelf network security machine
CPU	Support LGA1151 interface Intel 6/7 generation i3/i5/i7/Pentium/Celeron CPU	Board mounted Intel Atom C3000 series CPU	Intel sixth generation Core 13/15/17, E3-1200V5/V6 series processors support maximum TDP85W processor	Intel XeonE5-2600V3/V4 series processors
RAM	2 DDR4 memory slots , support up to 2133/2400MHZDIMM NOECC memory, a single maximum 16GB, the maximum capacity of the whole machine is 32GB	2*DDR4 2400/DIMM/ECC,Max 64G	4 DDR4 memory slots, support up to 2133 /2400MHZ DIMM NOECC/ECC memory, single maximum16GB, the maximum capacity of the whole machine is 64GB	16 memory slots, a single maximum 32GB, the whole machine supports a maximum of 512GB , supports 213372400MHz DDR4 ECC memory
Hard Disk	1*CF card bay2*SATA hard drives (1 3.5 - inch and 1 2.5 - inch ( 2.5 -inch disk thickness is less than 10mm)	1*CF card bay2 * SATA hard drives ( 1 3.5 inch and 1 2.5 inch ( 2.5 inch disk thickness is less than 10mm)	1 *CF Card3*SATA hard drive(3.5 inch /2.5 inch compatible, choose one of the two)	1 * CF Card /CFast Card1 * Msata SSD bay , support full length Msata SSD3*SATA hard disk slots ( 3.5 " /2.5 " compatible, two Sa- )
Display Interface	VGA interface, built-in by default, optional external	Built-in VGA, optional extension to rear window	HD MI to VGA adapter cable	VGA interface, built-in by default, optional external
Front Panel Interface	6*Gbe R45 interface, 2*USB3.0 interface,1 * Console port (RJ45) , Power LED, HDD LED	6*Intel,i211-AT Gigabit Ethernet port, 2* Gigabit optical port, 2* 10 Gigabit optical port, with 2 groups of intelligent Bypass, 2 USB2.0 ports ,1 KJ45 socket Console port ( RS232 COM port )	6*Gbe RJ45 port + 4*SFP2 *USB2.0 interface1 * Console port (RJ45) Power LED, HDD LED, Alert LED, Bypass LED, HA LED	2*GbeRJ45 interface,2 *USB2.0 interface,1 * Console interface (R 45) ,Power LED, HDD LED
Expansion Slot	Standard: 1 *PCIEx8(Gen3, pre-extension, there are two interfaces, only one is connected by default)Front optional expansion card: 4 - port gigabit electrical/optical card, 2 -port 10-gigabit optical card, 8 electrical, 8 -optical, 40,000 gigabit	Depending on the CPU , it can be extended to 1 port normally, and high-end CPU can be extended to 2 ports	Standard: 2*PCIEx8 (Gen3) (front, for external S network card module solution)PCIEx1: 4 ports , 4 ports , 2 ports, 4 ports, 8 ports , 8 ports , 4 ports, 4 portsPCIEx2 : 4 light, 4 electricity, 2 port 10000 light, 4 port 10000 light, 8 light , 8 light, 4 electricity 4 lightPCIEx3 : PCIEx8 (Gen3) , built-in, customizable	Standard: 4*PCIEx8 (Gen3)(In front, the isolated network card can be customized 8*PCIEx8) The following expansion cards are supported: 4 optical, 4 electrical, 8 optical, 8 electrical, 2 -port WAN, 4 - port WAN, 4 -electric + 4 - optic,2 ports 40,000 light
Power Supply	Standard 200W industrial control power supply	150WATX power supply	Standard 200W industrial control power supply optional 350W redundant power	Standard 550W redundant power
Size(long**deep)	430mm ( 480mm with lugs)*44.4mm*450mm	430mm*44.4mm*450mm	430mm ( 480mm with lugs )*88.8mm*450mm	430mm (with lugs 480mm) *88.8mm*600mm

## NVR product:

TA-NVR-777H / TA-NVR-556H / TA-NVR-798S / TA-NVR-313S



Features	TA-NVR-777H	TA-NVR-556H	TA-NVR-798S	TA-NVR-313S
Model	19 -inch standard 2U rack - mounted model, supporting universal rails for storage product series	19 -inch standard 4U rack-mounted model, supporting international standard racks through slide rails	19 -inch standard 2U rack-mounted model, supporting international standard racks through sliding rails	19 -inch standard 4U rack-mounted model, supporting international standard racks through slide rails
Motherboard	Using Intel . H81 Express Chipset CPU socket: LGA1150 package, 4th generation i7 , i5 , i3 , Pentium. Celeron processor 2*DDR3DIMM memory slots, support 1333/1600 MHz memory, single maximum 8GB, whole machine maximum 16GB Onboard 1 *RealtekALC662 5.1 channel audio decoding chip Onboard 2*Realtek8111F10/100M/1000M adaptive network card chip Support 1 *PCI-E 16X, 1 *PCI-E4X (IX signal), 1 * PCI-E IX, 4* PCI, half-height full-length vertical slot	Using Intel 8 H81 Express Chipset CPU socket: LGA1150 package, 4th generation i7 , i5 , i3 , Pentium. Celeron processor 2*DDR3 DIMM memory slots, support 1333/1600 MHz memory, single maximum 8GB, whole machine maximum 16GB Onboard 1 * RealtekALC662 5.1 channel audio decoding chip Onboard 2*Realtek8111F10/100M/1000M adaptive network card chip Support 1 * PCI-E 16X, 1 * PCI-E 4X (IX signal), 1 * PCI-E IX, 4* PCI, full height and full length vertical slot	Powered by Intel* H1 10 Express Chipset CPU socket: LGA1151 package, sixth or seventh generation i7 , i5 , i3 , Pentium.Celeron processor 2*DDR4DIMM memory slots, support 2400 MHz memory, single maximum 16GB, whole machine maximum 32GB Onboard 1 * Realtek AUZ662 5.1 channel audio decoding chip Onboard 1 *Intel I211AT + 1*Intel 1219-LM for1000M adaptive network card chip Support 1 * PCI-E 16X, 1 * PCI-E 4X (IX signal), 1*PCI-E1X, 4*PCI, full height full length full slot	Powered by Intel* H1 10 Express Chipset CPU socket: LGA1151 package, sixth or seventh generation i7. i5. i3. Pentium.Celeron processor 2*DDR4DIMM memory slots, support 2400 MHz memory, single maximum 16GB, whole machine maximum 32GB Onboard 1 * Realtek ALC662 5.1 channel audio decoder chip Onboard 1 *Intel I211AT + 1*Intel 121 9-LM for 1000M adaptive network card chip Support 1 *PCI-E 16X, 1 *PCI-E 4X (IX signal) , 1*PCI-E IX, 4*PCI, full-height full-length vertical slot
Storage Interface	6*SATA hard drive (4 3.5 - inch, 2 2.5 - inch, the motherboard only supports 3 SATA, more than 3 SATA hard drives need to be expanded with an array card)	9 SATA hard drive bays (8 3.5 - inch, 1 2.5 - inch, the motherboard only supports 3 SATA, more than 3 SATA hard drives need to be expanded with an array card)	6 SATA hard drive bays (4 3.5 - inch, 2 2.5 - inch, the motherboard only supports 3 SA1A , more than 3 SATA hard drives need to be expanded with an array card)	9 SATA hard drive bays (8 3.5 - inch, 1 2.5 - inch, the motherboard only supports 3 SAIA, more than 3 SATA hard drives need to be expanded with an array card)
Rear Window Interface	1*PS/2 mouse interface; 1*PS/2 keyboard interface 1*DVI , 1*VGA ; 2*USB3.0 , 2*USB 2.0 port 2*RJ-45 Gigabit Ethernet port; 1* Audio interface ( Lineout , MIC) 2*DB9 COM port (RS232)		1*PS/2 mouse/keyboard interface; 1*DVI 1*VGA , 1*HDMI 4*USB3.0 , 2*USB 2.0 ports; 2*RJ-45 Gigabit Ethernet port 1* audio interface (Line out. MIC ) 1*DB9COM interface (RS232)	
On-board Interface	1 * 24-pin ATX main power connector, 1 * 4-pin ATX 12V power connector 1 * CPU fan header CPU fan interface, 1 * system fan header system fan interface 4 * COM interface expansion pin ( COM3 compatible with RS232 , RS485) USB 2.0 expansion pins ( 2 USBs on the front panel occupy 1 group) 1 * ClearCMOS Header clear CMOS pin 1 * print head pin, 1*SIM card socket		1 * 24-pin ATX main power connector, 1 * 4-pin ATX12V power connector 1 *CPU fan header CPU fan interface, 1 * system fan header system fan interface 5* COM interface expansion pin USB 2.0 expansion pins ( 2 USBs on the front panel occupy 1 group) 1 * ClearCMOS Header clear CMOS pin 1 * print head pin, 1*SIM card socket	
Front Panel Interface		2*USB 2.0 interface, hard disk status indicator,	System power indicator, power switch	
Power Supply	220V/50HZ adaptive, 300W power supply	Standard 350W industrial power supply High configuration selects 500W industrial power supply	220V/50HZ self- adaptive, 300W power supply, other power supplies are optional	Standard 350Wl industrial power supply High configuration selects 500W industrial power supply
Dimensions (L*H*D)	430mm (480mm with ears ) *88.8mm*380mm	430mm ( 480mm with ears )*176.6mm*500mm	430mm ( 480mm with ears )*88.8mm*380mm	430mm ( 480mm with ears )*176.6mm*500mm

## IPC Series

### TA-IPC-111S / TA-IPC-121B / TA-IPC-131S / TA

### IPC-707H



Features	TA-IPC-111S	TA-IPC-121B	TA-IPC-131S	TA-IPC-707H
Form	Wall-mounted machine	Embedded whole machine	Embedded whole machine	19-inch 1U standard rack-mounted machine
Processor	The sixth and seventh generations of i3, i5, i7, Pentium, Celeron and other CPUs	1 Intel Celeron Processor J1900 processor ( 2.0GHz )	LGA1151 package, 6th & 7th generation i3, i5, i7, Pentium, Celeron and other CPUs	LGA1150 package, 4th generation i7, i5, i3, Pentium. Celeron processor
RAM	2*DDR4DIMM, single maximum 16G, total maximum 32G	VDDR3LSO-DIMM, single support up to 8GB	2*DDR4SO-DIMM, single maximum 16G, total maximum 32G	2*DDR3 DIMM memory slots, support 1333/1600 MHz memory, single max 8GB, whole machine max 16GB
Hard Disk	MSata. 2.5" SSD, 2.5" pure disk	TMSata HDD; 1*SATA_HDD	1*MSata % 1*2.5 inch SSD/HDD	2*SATA hard disk bracket (each bracket 3.5 inch compatible with 2.5 inch and 2.5 inch only ggl&Zife-)1*Msata SSD bay
Network Card Chip	2* Learl 1211 AT Gigabit Ethernet port, RJ45 interface, LAN2 supports Wake-on-LAN	2*RJ45 Intel Gigabit Ethernet port, support wake on LAN	6*10/100/1000Mbps RJ45 network port, LAN1 supports wake on LAN, 4 of which support POE optional	2*Realtek RTL8111F Gigabit LAN chip
Graphics Card	Intel CPU built-in graphics core / expandable full-height half-length graphics card (graphics card length within 180mm )	Integrated graphics support VGA, HDMI, LVDS synchronous or asynchronous dual display output	Intel CPU built-in graphics core	Intel CPU built-in graphics core
Interface	6*RS232 COM, COM1-2 optional RS422/RS485 audio input and output 4*USB 3.0 6*USB2.0 1*VGA 1*DVI-D1 built-in dual-channel 24-bit LVD filter (optional) 1*PS2 keyboard/mouse interface 1*8 digital I/O interface	1*VGA output connection n, 1*LVDS interface, 1*HDMI interface, standard RS232COM interface, 1*USB 3.0 z 10*USB 2.0; 1*GPIO	10*COM (COM1 ~ COM4 are optional for RS-232/422/485 );10*USB (4*USB3.0, 4*USB2.0, 2*USB2.0 (ISO^iype-A built-in) )1*PS/21*LPT 1*32-bit GPIO (8-bit Phoenix terminal block connector + 24-bit DB25 connector)1*AUDIO: Mic-in, Line-out	Front panel interface:HDD LED, Power LED, PowerButton, small size LCD display (displays the temperature inside the chassis and the temperature of the CPU )Rear panel interface:2*USB 3.0, 4*USB 2.0, 2*RJ45 Gigabit Ethernet port, 1*VGA, 1*DVI, 1*HDMI, 1*COM, 1*PS2 keyboard and mouse combo interface, 1* audio interface (LineOUT, Line IN, MIC)
Power Supply	Standard 1250W power supply	Support 12V DC voltage input, or use an external adapter to achieve AC220 input	220V/50HZ self- adaptive, 300W power supply, other power supplies are optional	AC220VW input, 200W single power supply
Dimensions (L*H*D)	220mm*133.6mm*204.6mm	234mm*64.5mm*140.5mm	280mm*130mm*220mm (excluding wall hanging strips) 280mm m*135mm*248mm (including wall hanging strips)	430mm ( 480mm with ears )*44.4mm*412mm

## RNB Series:

### TA-RNB-303K / TA-RNB-102S / TA-RNB-502K / TA-RNB-138P



Characteristics	TA-RNB-303K	TA-RNB-102S	TA-RNB-502K	TA-RNB-138P
Chipset	Kabylake	SkyLake/Coffee lake	Skylake/Kabylake	Intel C621 Chipset
Form	Handheld IP65 rugged tablet (optional EIP66)	Semi-Rugged Clamshell Notebook	Rugged Clamshell Notebook	Ruggedized laptop (optional swivel travel case)
Register Model	I5-7200U	Optional I5-6200U, i7-6500U, i5-8250U, i7-8550U	Intel Core i7 6500U Dual Core Quad B2.5GHZ	"2 2nd Generation Intel Xeon e Scalable Series processors
RAM	8G DDR4L	2 slots/total max 32G/2133MHZ/DDR4	2*DDR3 1 600MHz 8G low voltage notebook memory	8 DIMM slots, support 2933MHz DDR4 RDIMM memory, up to 1TB
Hard Disk	128G SSD	MSata, 2.5 -inch SSD, 2.5 -inch mechanical disk	MSata. 2.5" SSD, 2.5 " mechanical disk	2 hard drive bays ( 2 2.5/3.5 inches )
Display Screen	10.1 inch 1920*1 200 (optional 1 280*800 or 2560*1 600)	14.0 inch full HD (1 920*1 080)	15 inches (1920*1 08. )	173 -inch LED high-definition industrial LCD screen,(1920*1080)
Touch Screen	G+G capacitive 10 -point touch	/	Support customization	Support customization
Camera	500W rear camera	Integrated 2 -megapixel front camera (including gate design)	Optional	Optional
PCIE Extension	/	/	/	Provides 6 full-height PCI-E expansion slots(3*PCI-E3.0x8,2*PCI-E3.0x1 6,1 *PCI-E 3.0x4 (inx8))
Interface	Built-in speaker/microphone 0.35mm*1 stereo audio interface 1*USB3.0V USB2.01*HDMI 1.3 1*DB9 RS232 serial port	USB3.0 ( Type A ) *2 USB2.0 ( Type A ) *2 Audio input and output (combination jack) *1SD card (SDXC) *110/100/1 000M adaptive network card (RJ-45) *2 HDM port (reasonable) *2Serial RS-232*! (Optional RSY22/RS-485) base connector ( 41 -pin Pogo) *1SIM card *1Smart Card Reader * 1DC Input Jack *1Optional GPS, WWZV1WLAN direct beam Yaokou	4*USB3.0 Air plug interface: 1* Gen- 45 Gigabit Ethernet port, 1*1 stream power input interface, 2*RS232 serial port display interface: 1*VGA interface, 1*HDMI interface Expansion interface: support in-machine expansion USB/HDD /PCI-E/ Serial/Power AUDIO: Realtek ALT662 H audio decoder, support Linout, MIC-in interface	2 USB2 ports, 3 USB3 ports, 1 VGA port, 1 management network port
Power Supply	8000mAh polymer lithium battery (optional 16000mAh), full load working for 3 hours, 12V, 5A adapter charging	AC power adapter: 100-240V, 50Hz-60Hz, 65W Optional AC power adapter ( 100-240V, 50HZ-60HZ) 20W) including NVIDIA - VGA Main lithium battery: 10.8\64700mAh, battery life at 12/J\ Optional second 10.8V lithium battery, 4700mAh Optional bridge battery: 5 minutes swap time	Two smart lithium batteries 12000mAh (i® can be expanded by built-in second battery pack ), support hot-swappable battery replacement, with EC power Source management, support WINDOWS battery management, battery Theoretical standby time 120H	600WI industry-grade power supply
Size (L*W*H)	235mm*165mm*32mm (including corners)	350mm*282mm*38mm	380mm*280mm*70mm m (including corners)	457mm*233mm*358mm
Supported OS	Windows 7/10, Linux	Windows* 7/10	Windows* 7/10	Windows Server 2012 R2 Red Hat* Enterprise Advanced Server 7.5

## A New SAN Storage Series with Higher Versatility and Cost-effectiveness TA5300 V3 / TA6316D

Features	TA5300 V3	TA6316D
RAID Technical Characteristics		
Controller S : single control / D : double control	TA5312S/DV3 (2U12 3.5Z2.5" disk) f TA5316S/Dv3 (3U16 3.5/2.5 "disk)TA5324S/DV3(3U16 3.5/2.5inch disk	redundant controller
Controller Cache	Standard 2 GB, maximum support 32 GB	Maximum support 256GB
RAID Level	0.5,6,10,50,60 , support global hot spare , designated hot spare	
RAID Online Upgrade	Full LD (Logical Drive), LV (Logical Volume) online capacity expansion, support online RAID level change	
Cache Battery Protection	When the external power supply is powered off, write the cache data to the flash memory for permanent storage to ensure data security	
Firmware Upgrade	online	
Number of Supported Drives	480	640
Number of Supported Logical Volumes	2048	
Data Service Function		
Standard Software Features	Multipath redundancy support; RAID level migration; automatic bad sector reallocation; snapshot, volume copy/volume forward, thinning	Multiplexing redundancy support; RAID stretch IJ migration; automatic bad sector reallocation
Advanced Software Features(optional)	Snapshots, up to 4096 ; volume mirroring/volume replication; remote replication (synchronous, asynchronous); automatic thinning	Remote replication (synchronous, asynchronous); hierarchical storage, cache acceleration; self-encrypting system; advanced version snapshot, volume replication, volume mirroring
Connectivity		
Host Channel	4 1Gb iSCSI host ports + 2 1G management ports ( included by default, not removable); Support 16 16G FC ; support 16 10GSFP ; support 8 40G Ethernet (support 4 financial exhibition cards, support any two combinations )	4 1Gb iSCSI host interfaces; extended support 4 8GFC ; extended support 4 16G FC ; Extended support for 2 40G iSCSI; extended support for 2 10G iSCSI ;(sand maker)
Expansion Channel	Two 4 *12Gb MiniSAS expansion ports	4 4 *12Gb MiniSAS-HD expansion ports
General Features		
Dimensions and weight (fan without plate)	TA5312S/DV3 449x88x500 mm; 29.98 Lbs (13.60 kg)TA5316S/DV3 449x130x500 mm ; 47.75 lbs (21.66 kg) TA5324S/D v3 449 x 174.4x 500 mm; 60.49 lbs (27.44kg)	Standard 3U high 19 -inch rack mount about 19Kg (without disk)
Power Supply	1+1 redundant power supply 460W	1 +1 redundant power supply
Disks Supported(Full Configuration)	48 . Block SSD , SAS , NLSAS , SATA HDD	640 SAS , NLSAS , SATA hard drives
Support Hard Disk Capacity	2.5" 10,000 rpm sas drives; 3.5" 15,000 rpm sas drives;3.5" Z200 RPM NL SAS drives ; 3.5" 7,200 RPM SATA drives	
Number of Hard Disks Supported (Single Cabinet)	16 single cabinets	
Maximum Storage Capacity	1152TB (2.4TB SAS HDD) /7680TB (16TB SATA HDD)	1536TB (2.4TBSAS HDD) 79856TB (16TB SATA HDD)
Operating Power Specifications		
Environment	Temperature: 10°C-40°C (Operating); Relative Humidity: 20% -80%RH (Operating); Power: AC 100V - 120V/200V-240V, 50Hz-60Hz	
System Compatibility		
Supported Operating Systems	Windows Server 2003, 2008, 2012, RHEL, SUSE, Sun Solaris, Mac OS X, VMware, Citrix, IBM AIX, HP-UX	Windows Server 2012, 2016, 2019, RHEL, SUSE, Sun Solaris, Mac OS X, VMware, Citrix, IBM AIX, HP-UX
System Management		
Management	Dynamic management of GUI graphical interface, WEB browser remote management, serial port management, SSH and Telnet	

## New Generation High-end NAS/SAN Converged Storage Products

### TA6300X V3

New generation of high-end NAS/SAN converged storage products effectively integrates the user's existing storage network architecture, realizes the unified deployment of high-performance SAN networks and realizes centralized business storage of NAS .

The TA6300X V3 converged storage product is an environment for centralized data management, ERP / OA / document management of large and medium-sized enterprises launched by us , which can use FC-SAN, IP-SAN, and 10G , 25G and 40G NAS functions , the two services are perfectly integrated, with high expansion, high performance, high reliability and the highest cost performance.

## Technical Specification



Features	TA6300X V3
RAID Technical Characteristics	
Controller	NAS/SAN integrated redundant controller
Controller Cache	Maximum support 512GB (default DDR416GB)
RAID Level	0,1,5,6/10,50,60, support global hot spare, designated hot spare
RAID Online Upgrade	Full LD (Logical Drive), IV (Logical Volume) online capacity expansion, support online RAID level change
Cache Battery Protection	When the external power supply is powered off, write the cache data to the flash memory for permanent storage to ensure data security
Firmware Upgrade	online
Number of Supported Drives	864
Number of Supported Logical Volumes	2048
Data Service Function	
Standard Software Features	Multi-path redundancy support; RAID migration; automatic bad sector allocation; thin provisioning; standard snapshot/local volume copy/local volume mirror; NAS file protocol; CIFS/ SMB; AFP; NFS ; FTP; WebDW; SAN protocol ; FC; FCoE; iSCSI; SAS
Advanced Software Features(Optional)	Advanced version snapshot; remote replication (synchronous, asynchronous); direct deduplication; cache acceleration; automatic tiered storage; hard disk SED self-encryption
Connectivity	
Host Channel	Default 8 10Gb (SFP+) host interfaces; Additional expansion support: 16 16G FC; Additional expansion support: 8 10GSFP +; Additional expansion support: 16 32G FC; Additional expansion support: 8 40GQSFP + ; Additional Extended support: 8 25G SFP28
Expansion Channel	support: 8 25G SFP28 4 4 *12Gb expansion ports
General Features	
Dimensions and weight (fan without plate)	Standard 19 -inch rack-mounted 2U 25 bays, with a depth of less than 530 mm (supports 2.5 -inch disks); standard 19 -inch rack-mounted 3U 16 -bays, with a depth of less than 530 mm (supports 2.523.5 -inch disks) TA6300XV3 : 2U 22.5KG , 3U 27KG (without hard disk)
power supply	1+1 redundant power supply 530w
Number of hard disks supported (single cabinet)	864 SAS , NLSAS , SATA hard disks; host head + 14 expansion cabinets with 4 U60 bays
Support hard disk capacity	2.5" 10,000 RPMSAS drives; 3.5n 15,000 RPM SAS drives; 3.5n 7,200 RPM NL SAS drives; 3.5" Z200 RPM SATA drives
Operating Power Specifications	
Environment	Temperature: 10 . 0 40°€ (Operating); Relative Humidity: 20% -80%RH (Operating); Power Supply: AC 100V - 1 20V/200V-240V. 50Hz-60Hz
System Compatibility	
Supported Operating Systems	Windows Server 2012, 2016, 2019, RHEL, SUSE, Sun Solaris, Mac OS X, VMware, Citrix, IBM AIX, HP-UX
System Management	
Management	Dynamic management of GUI graphical interface, WEB browser remote management, serial port management, SSH and Telnet



## TA6360S

TA6360S is a scale-out shared storage system with efficient performance and high scalability. Through the cross-node method, the data of multiple nodes is integrated into a single name space system and shared through the CIFS/NFS protocol, which greatly reduces the difficulty and cost of data management. In addition, flexible configuration strategies can be provided for various application requirements of enterprises, whether it is high-performance pressure or large-capacity consuming applications (HPC, video media, monitoring, backup, archiving, etc.).

## Technical Specification



Product series	TA6360S
Product Positioning	High-density backup and archive
Specifications (Pernode)4U 60 bays	TA6360S
Node	Single node, 4U6 0 -disk single node starting configuration, must be fully equipped with hard disks
Number of Nodes	1 to 144
Controller	S : Single node cannot be upgraded to dual nodes      D: Dual independent controllers      B : 2.5 -inch hard drive
Maximum Number of Hard Drives Supported	120, the node can expand up to more than 10,000 hard disks
(Per Node)	Note: The number of hard drives supported by each model is different
CPU ( Per Node)	Intel* Xeon* Processor
Memory (Per Node)	Default DDR4 64GB ; upgradeable to 128GB or 256GB
Management Port(Each Node)	1x1GbE port (RJ-45)
Onboard SAS Expansion Ports (Per Node)	2x12Gb/s5A5 port
Web Front Endnetwork	10GbEx2(SFP+); 10GbEx4(SFP+); 25GbEx2(SFP28) ; 40GbEx2(QSFP+)
Kindfront End	10GbEx2(SFP+); 25GbEx2(SFP28) ; 40GbEx2(QSFP+)
Network Combination Type	Combination 1 : Front ( 10GbE x 2 onboard ) + Internal ( 10GbE x 2 onboard)Combo 2: Front (Onboard) OGbE X 4) + Internal ( Host Channel Board 25GbE X 2); Combo 3: Front ( 1 0GbE X 4 onboard) + Internal ( Host Channel Board 40GbE X 2) Combo 4 : Front ( Host Channel Board 40GbE X 2) Host Channel Board 25GbEX2) + Internal (Host Channel Board 25GbEx 2) ; Combination 5 : Front (Host Channel Board 40GbEx2) + Internal (Host Channel Board 40GbEx 2) Combination 6 : Front (Onboard 1 0GbEX4 + Host Channel Board 25GbEx2) + Internal (Host Channel Board 25GbE X2) Combination 7: Front End ( 10GbEX4 onboard + Host Channel Board 40GbEx2) + Internal (Host Channel Board 40GbE X2)
Supported Hard Drives	3.5" 12Gb/s SAS Z200 RPM HDD ,3.5" 6Gb/s SATA Z200 RPM HDD
Dimensions Without Handle/Raised Part (W*H*D)	4U 60 -bay: 447.6 x176x 840.9 mm
Packaging Size (W*H*D)	4U60 bay : 620x460x1140mm
Power Supply	4U 60 -bay: 1600W (80 PLUS Platinum)
Power Like	4U 60 - bay : 100Vac-127Vac @ 13.8A, 200-240Vac @ 9.6A
Frequency	4U 60 -bay: 47-63 HzNote: Redundant dual power supplies are provided, and the whole machine can be run with a single power consumption.

## TA5324M V3 / TA6324M

TA5324MV3 is an all-flash, unified interface disk array for high IOPS customer environments, such as high performance computing ERP , CRM , VDI , etc. It supports 16G FC , 10 Gigabit, Gigabit, and 12G SAS host interfaces, effectively integrates the user's existing storage network architecture, and realizes the unified deployment and centralized management of high-performance SAN networks to adapt to the dynamic needs of business and application changes.

TA6324M is a new generation of mid-to-high-end storage launched by us, which realizes the perfect integration of FC-SAN, IP-SAN and SAS-SAN , effectively integrates users' existing storage network architecture, and realizes unified deployment and centralized management of high-performance SAN network. To adapt to the dynamic needs of business and application changes.

## Technical Specification



Features	TA5324M V3	TA6324M
RAID Technical Characteristics		
Control Equipment	redundant controller	
Controller Cache	Standard 2GB, maximum support 32GB	Maximum support 256GB
RAID Level	0,5,6,10,50,60 , support global hot spare , designated hot spare	0,1,0+1,5,6,10,50,60, support global hot spare, designated hot spare
RAID Is Being Upgraded	Full LD (Logical Drive), LV (Logical Volume) online capacity expansion, support online RAID level change	
Cache Battery Protection	When the external power supply is powered off, write the cache data to the flash memory for permanent storage to ensure data security	
Firmware Upgrade	online	
Number of Supported Drives	480	640
Number of Logical Volumes Supported	2048	
Data Service Function		
Standard Software Features	Multipath redundancy support; RAID fine! I migration; automatic bad sector rearrangement; Snapshot, Volume Copy/Volume On, Thinning	Multi-path redundancy support; RAID fine migration; Automatic bad sector reallocation
Advanced Software Features (optional)	Remote replication (synchronous, asynchronous) ; hierarchical storage, cache acceleration; self-encrypting system; Tall Mirror Snapshot, Volume Copy, Moose Image	Snapshots, up to 4096 snapshots ; volume mirroring/volume replication; Remote replication (sync, async); thinning
Connectivity		
Host Channel	4 x 1 Gb iSCSI host interfaces; extended to support 4 x 8G FG 4 x 1 Gb iSCSI host interfaces ; Expansion supports 4 1 6G FC + 4 1 Gb iSCSI host interfaces ; expansion supports 2 40G iSCSI + 4 1 Gb iSCSI host interface ; expansion supports 2 1 0G iSCSI + 4 1 Gb iSCSI host interfaces	4 1Gb iSCSI host interfaces ; support 16 8G FC + 4 1Gb iSCSI host interfaces; Support 8 16G FC+4 1Gb iSCSI host interfaces; support 16 10G SFP+ 4 1Gb iSCSI host interface;
Expansion Channel	Two 4 *12Gb MiniSAS expansion ports	4 4 *12Gb MiniSAS expansion ports
General Features		
Dimensions	449x88x 500mm	Standard 2U high 19 inch rack mount
Weight (single cabinet, without pan)	43.17 lbs (1 9.58 kg)	About 18Kg (without disk)
Power Supply	1+1 redundant power supply 460W	1+1 redundant power supply
Number of Supported Hard Disks (Full Configuration)	480 SSD , SAS , NLSAS , SATA hard drives 640 SAS , NLSAS , SATA hard drives 2.5" 10,000 RPM SAS drives ; 3.5" 15,000 RPM SAS drives; 3.5" 7,200 RPM NL SAS drives ; 3.5" 7,200 RPM SATA drives	
Number of Hard Drives Supported(Single Cabinet)	24 single cabinets	
Maximum Storage Capacity	1152TB (2.4TB SAS light) /7680TB (16TB 5AS/SATA?IK)	1536TB (2.4TB SA5 HDD) 79856TB (1 6TB SAS/SATA HDD)
Operating Power Specifications		
Environment	Temperature: 10°C-4DT (Operation) ; Relative Humidity: 20% - 80%RH (Operation) ;	; Power: AC 100V - 120V/200V-240V, 50Hz-60Hz
System Compatibility		
Support Operation	Windows Server 2003, 2008, 2012, RHEL.SUSE, Sun Solaris, Mac OS X, VMware, Citrix, IBM AIX, HP-UX	
System Management		
Management	Dynamic management of GUI graphical interface, WEB browser remote management, serial port management, SSH and Telnet	

## U.2 NVMe All-Flash Array

### TA6625U

TA6625U U.2 NVMe all-flash array is a high-performance storage solution for enterprises. Equipped with U.2 NVMe SSD, it provides higher IOPS and throughput, and is more cost-effective. At the same time, it supports SAN, NAS, Object services, and connects to the cloud through Gateway. Linearly increase performance and capacity with block- and file-level scale-out. Complete data protection enables users to focus on business and is ideal for applications such as HPC, video media, virtualization and databases.



## Applicable Scene

- Centralized data management
- High IOPS business environment
- VDI, HPC, OLTP, GIS, small fragment files
- Key business volumes for medium and large enterprises

## Product Highlights

- Superior performance and scalability
- reduce investment costs
- Optimized U.2 NVMe SSD
- Intuitive System Management
- Support mixed configuration, high efficiency
- Comprehensive data protection and backup
- High stability
- Intelligent hard disk management

## Technical Specification

Characteristic	Describe
Hardware Specifications	
Specification	2U 25 bays
Controller	redundant controller
Cache Protection	Standard 4*4GB, maximum support 512GB
Cache Battery Protection	Super capacitor + flash memory module (only applicable to single-controller upgradeable and dual-controller models)
Hard Disk Support	2.5 " U.2 NVMe SSD
Software Service	
Maximum Number Of Logical Disks And Space size	32, 512TB
Configurable trip Size	16KB, 32KB, 64KB, 128KB, 256KB, 512KB, or 1024KB per logical disk
Configurable Write Policy	Write-back or write-through for each logical disk, the policy can be modified
Maximum Storage Pool Size And Number	2PB, 32
Cheating)	2PB, 1024
Maximum Number of Host LUNmapPings	4096
Maximum Number Of Host Connections (per FC)	128
RAID Chips	RAID 0, RAID1, RAID3, RAID5/5f, RAID6/6F; RAID10, RAID30, RAID50, RAID60
RAID Online upgrade	Full LD(Logical Drive), LV(Logical Volume) online capacity expansion, support online RAID level change
Firmware Upgrade	online
Standard Software Functions	Multipath redundancy support, RAID migration, automatic bad sector reset

## U.2 NVMe All-Flash Array TA6625U

### Technical Specification

Characteristic		Describe	
Software Service			
Maximum number of hard drives supported	Maximum Number Of Hard Drives Supported	640	
	Scale Out Nodes	3584	
Protocol Support	File-Level Protocol	CIFS/5MB (Version 2.0/3.0), NFS (Version 2/3/4), AFP (Version 3.1.12), FTP/FXP (vsftp 2.3.4), WebDAV (httpd package 2.4.6)	
	Block-Level Protocol	FC, iSCSI, SAS	
	Object-Level Protocol	RESTful API	
file level	Maximum File System Size	2PB	
	Maximum Number Of Shared Folders	2048 (NFS/CIFS/FTP)   255 (AFP)	
	Maximum Number of Users	20000	
	Maximum Number of User Groups	512	
	Maximum Number of Rsync tasks	1024	
	The Upper Limit of The Number of Concurrent Rsync	64	
Data Service			
Automatically Encrypt Hard Drives	Support	Unique factory key ensures data security, and data deletion is simple and thorough	
Thin Provisioning	Standard	Capacity is allocated on demand instantly, optimizing storage utilization, eliminating the phenomenon of space being allocatedbut not being used	
Local Copy	Snapshot	Standard	Number of snapshots per source volume: 64,snapshotsperstoragepoolNumber:128
		Support	Number of snapshots per source volume: 256,Numberofsnapshtsperstoragepool:4096
	Volume Copy/Volume Mirror	Standard	Number of summer pairs per source volume :4,Numberofreplicationpairspersystem:16
		Support	Number of summer pairs per source volume: 8,Numberofreplicatedpairspersystem:256
Remote Replication	Block Level	Support	Number of replication pairs per source volume: 8,Numberofreplicationpairspersystem:64 Note: 1.Fortheasynchronous/remote/localpair,themaximumnumberofreplicationspersourceevolumeisatmost8. 2.4x16Gb FC and2/4x32GbFChostchannelboardsdonotsupportremotereplication.Numberofreplicationpairspersystem:64 Notes: 1.Regardlessoreignoteasync/remotesync/localvolumepairs,themaximumnumberofreplicationpairspersourceevolumeisatmost8. 2. 4 x 1 6Gb FC and2/4x32GbFChostchannelboardsdonotsupportremotereplication.
	File Level	Standard	Support Rsync128-bitSSHencryption
Automatic Tiered Storage	Option		2 -layeror4 -layerclassificationaccordingtothetypeofharddisk
			Automatically migrate data and calls according to Yaoyao
Connectivity			
Onboard 12Gb/s SAS port (connect to JBOD expansion enclosure)		4	
Onboard 10GbE Port ( SFP+ block not Included)		8	
Host Channel (Optional 2 groups)		16Gb/s FCx4 x32Gb/SFCx2.iOGbE(SFP+)x2,iOGbE(RJ-45)x2,25GbE(SFP28)X2,40GbE(QSFP+)x2	
		Note :1.Bothcontrollersmusthavethesame slotsetup.2.FibreChannelsupportspoint-to-pointandswitchmodes.	
General Features			
Size		449x88x 589.6mm	
Straight (Single Cabinet)		19.58 kg (withoutdisk)	
Power Supply		530WX2 (80 PLUS Bronze) ;100-127VAC@10Ato200-240VAC@5A;47-63Hz	

## Large-capacity, High-performance, High-reliability And Most Cost-effective Cloud Storage Products

### TA9100V2

TA9100V2 is a NAS-SAN centralized storage, with flexible storage business mode, large capacity, high performance, high reliability and the most cost-effective cloud storage product, trial use in small and medium-sized enterprises non-critical business environment mode, such as document sharing, document archiving Backup, video surveillance, etc.



RX9116V2 cloud storage



RX9124 V2 cloud storage

## Product Positioning



Provide 10-100 people for the department  
Unified NAS File Sharing



For monitoring; provide centralized cloud storage or distributed cloud storage with more than 1000+ cameras to support erasure or multiple copies



Provide data storage of 1000-2000+ mailboxes for enterprises ; provide a single cloud disk of more than 200TB , backup and archive system offline or nearline storage system

## Storage Function

### NAS

Bearing in Gigabit, 10 Gigabit, 25G, 40G and above  
Above the Ethernet optical port or electrical port

### ISCSI

Bearing in Gigabit, 10 Gigabit, 25G, 40G and above  
Above the Ethernet optical port or electrical port

### FC-SAN

Bearing in 8G , 16G, 32G  
FC network

## Product Performance

- TA9100 V2 supports 3 PCI -E 3.0 slots (1 is occupied by 12GSASHBA card by default , and 2 additional PCI-E3.0 slots can be expanded)
- TA9100 V2 defaults to 2 gigabits, and the whole machine can achieve 180-200MB bandwidth
- TA9100 V2 can reach 2.5GB bandwidth in 2 dual-port 8G/16FC-SAN mode , IOPS all random 4KSSD, no less than 150,000
- TA9100 v2 can reach 1.8GB bandwidth under 2 dual-port 10G iSCSI< mode , IOPS all random 4KSSD, no less than 100,000

Characteristic	Describe
Chassis Processor RAM	TA9116V2 3U19 -inch standard rack FC-SAN/NAS cloud storage; TA91 24 V2 4U19 -inch standard rack FC-SAN/NAS cloud storage default Intel 64 -bit multi-core processor Default 4G memory, maximum 64GB (single 16G)
Hard Drive Specifications	2.573.5 inch enterprise class 5ATA, SA5, SSD hard drive
Capacity	TA9116V2 single cabinet supports 160TB (single disk 10TB) , JBOD expansion cabinet can be connected as needed ; TA9124V2 single cabinet supports 240TB (single disk 10TB) , JBOD expansion cabinet can be connected as needed
Interface	2 Gigabit ports by default , 1-2 additional ports of the same or different types can be selected; each card is optional: 2*1G RJ45. 4*1G RJ45 , 2*8G FC , 4*8G FC , 2 *16GFC , 2*40G IP , 2*40G/56G FC or copper Infiniband
Management Interface	1 management interface to realize WEB graphical interface management
RAID	RAID 0,1,5,6,10,50,60, NRAID, JBOD
Power Supply	Standard 1+1 redundant power supply

## Large-capacity, High-performance, High-reliability And Most Cost-effective Cloud Storage Products

### TA9100V2

#### Software Function

Module		Features	Premium	Standard Dealer
Basic System	IP Settings	Support multiple network cards, support static IP and DHCP	•	•
	NIC Teaming	Support load balancing (load-balance) and failover (failover)	•	•
	Route Management	Used to set static routes in the case of multiple network segments	•	•
	MAC Address Binding	IP address and MAC address of the client that is allowed to access , and refuse to forge IP access	•	•
	Local Account Management	Creation, deletion and modification of local users and groups	•	•
		PDC support	•	
	Remote Authentication	LDAP support	•	
	Volume Group Management	Multiple physical volumes form a virtual storage pool, supporting online capacity expansion	•	•
	Logical Volume Management	Partition and manage logical volumes in virtual storage pools, support online capacity expansion	•	•
	Volume Mirroring /Copying	Supports copy/mirror between volumes on two devices		
	Disk Monitoring	Disk SMART function, active alarm when there are too many bad sectors or high temperature, graphic display of hard disk location (need to be customized)	•	•
	RAID Management	RAID control card management and soft RAID management, soft RAID support, RAID0, 10 , 5, 6	•	•
	Enhanced RAID 2.0	Support local reconstruction and secondary mapping of disk bad blocks	•	•
	UPS Settings	Support APC/MGE/SANTAK brand UPS notification, support all manufacturers and all types of UPS through SP1 00	•	•
	Event Notification	Email alarm for events of set types , built-in SNMP Agent, support SNMPTRAP	•	•
	Power Down Protection	through s pi oom UPS , gracefully shut down storage within a set time, and can notify other servers	•	•
	Event Log	Detailed operation and running logs, support system log download	•	•
	Performance Monitoring	Real-time monitoring of CPU/ network/memory usage, displayed through graphs	•	•
	Environmental Monitoring	Real-time monitoring of the temperature of the CPU core, as well as the fan speed on some motherboards, alarms can be set (to be customized)	•	•
	Centralized Management	After adding the login information of other devices to one device, you can manage other devices as long as you log in to this device	•	•
NAS	Disk Speed Test	Test the access speed of multiple hard disks at the same time, and view them in real time through the graph, which can be used for baking machines or detecting low-performance hard disks	•	•
	System Configuration Management	Import and export system configuration, which can be restored from the array	•	•
		Support CIFS/NFS/FTP file sharing protocol	•	•
	Multi-protocol File Sharing	Support HTTP/AFP file sharing protocol	•	
		Support rSync protocol	•	
	Hierarchical Authority Management	Fine-grained file permission control, which can set access permissions to specified files or folders	•	
	Logical Volume Quota	Set the maximum space that the specified user can use on the specified logical volume	•	
	Shared Mirror	shared directory mirroring/backup function between two NAS through rSync protocol	•	
ISCSI	PC File Backup	Provides backup of files and directories on PC to NAS storage, supports full backup/incremental backup/differential backup, and supports scheduled tasks	•	
	NAS File Filtering	NAS module prohibits writing to files with set suffixes (such as exe and dll) to prevent the spread of viruses		
	Target Management	iSCSI Target for SAN logical volume , support CHAP, multiple caching strategies, and set accessible IP	•	•
FC	Initiator Management	Connect standard IP5AN device as a local hard disk, can be set to automatically connect when power on, support MPIO		
	Target Management	Set FC Target, you can set the allowed WWN	•	
	Initiator Management	Connect standard FCSAN devices as local hard disks, support automatic connection at startup, support MPIO		

TA2402T / TA4804T / TA2402XG / TA4806XG

PL series Ethernet switches are the next-generation Ethernet switches launched, which can provide more than 10 switch products from core to access in the industry. This series of products adopts leading high-performance hardware architecture and professional network operating system. Provides a unified operation command interface to the outside, which simplifies the configuration and deployment of products to the greatest extent. At present, our switches are widely used in government, enterprise, education, medical and transportation industries, and have become an important emerging force in the field of Ethernet switches.

- **Adopt carrier-grade, high-performance Ethernet core switching chip.** The TA2404T/RX4804T/TA2402XG routing switch adopts Centec's sixth-generation carrier-grade, high-performance Ethernet core switching chip CTC7132, which can meet the needs of applications such as metropolitan area networks, enterprise networks, data centers, and hyper-convergence.
- **Green and energy-saving system design.** It adopts an intelligent fan speed regulation scheme, supports real-time power consumption detection, reduces operation and maintenance costs for customers, and builds a green and energy-saving data center.

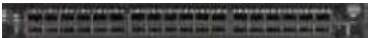






Features	TA2404T	TA4804T	TA2402XG	TA4806XG
Exchange Capacity	128Gbps	176Gbps	640Gbps	2.56TbpS
Forwarding Capability	95.2Mpps	132Mpps	480Mpps	1071.3Mpps
Delay	<=1 us			<=612ns
VLAN	4K			
Power Supply	AC : 100-240V, 50/60HZ ; Standard 150W power module	AC: 100~240V, 50/60HZ ;Standard 1+1 redundant 150W power supply module		AC : 100-240V, 50/60HZ,1 +1 redundant power supply
Power Consumption	53W	65W	53W	150W/190W
Serial Port	One RJ45 type serial port on the left side of the front panel			
Management Interface	One RJ45 out-of-band management port on the left side of the front panel			
USB Interface	1 standard USB port (Type-A), located on the left side of the front panel			
Physical Size	(WxDxH) 4.36 x 44.0 x 37.0cm			(WxDxH) 44.0 X 47.0 X 4.36cm
Technical Highlights	<div>1. Standard 1RU box solution; 2. Support Cut-Through forwarding mode, fixed transmission delay; 3. Lower system power consumption;4. Support complete L2/L3/DataCenter features 5. Support NVGRE/VXLAN/GENEVE, support Tunnel Routing &amp; Bridging without any restrictions ;6. Flexible table entry management technology, which can be flexibly allocated according to the size of the table entry requirements of MAC/IP/Data Center ;</div> <div>( PL2404T/PL4804T/PL2402XG )</div> <div>7. Support up to 96K MAC and 56K IP routing table entries;8.RJ45 control port, with 45Eth management port for external use; 9.JSON RPC API interface; support OVSDB</div> <div>(PL4806XG)</div> <div>7. Support up to 1 28K MAC and 32KIP routing table entries</div> <div>8 weeks 45 control ports, out-of-band RJ45Eth management port</div> <div>9. All physical ports support direct configuration as Layer 3 routing ports, without the help of vlan interface</div> <div>10. Support RoCE function, support RDMA vehicles</div>			



Mellanox InfiniBand  
Switch TA7890 / TA8790

MellanoxS has released the world's first smart switch, which enables computing in the network through co-designed SHAP technology. The TA7890 is currently the highest network performance switch on the market, providing up to 7Tb/s of non-blocking bandwidth and end-to-end latency of only 90ns . The TA8790 features the highest network performance on the market, with up to 16Tb/s of non-blocking bandwidth, and port-to-port latency below 90ns.



Model	TA7890	TA8790
 Product Advantages	Industry-leading switch platform in performance, power consumption, and density	Switch platform with industry-leading performance, power consumption and density
	Save energy and costs	It is designed to save energy and costs
	Collective communication acceleration	Collective communication acceleration
	Simple and fast setup and management	Maximize performance by eliminating fabric congestion
	Compatible with FDRtechnology	Backwards compatible with previous speeds
	Reduce network congestion to maximize performance	Easy and fast setup and management
 Performance	1U switch 36 X EDR 100Gb/s perport	40 HDR 200Gb/s portsina1Uswitch
	7Tb/s throughput	80 HDR100100Gb/sports(using split cable)
	Up to 7.02billionpackets/sec	16Tb/s aggregate switch throughput
	90ns switchdelay	Switch latency below 90nanoseconds
	136W powerconsumption	1+1 redundant & hot-swappable power supply
 Optimized Design	1+1 redundant&hot-swappablepowersupplies	N+1 redundant & hot-swappable fans
	N+1 redundant&hot-swappablefans	80 gold + and ENERGYSTAR certified power supply system
	80 goLd+ andENERGYSTARcertifiedpowersupplysystem	adaptive routing
 Advanced Design	adaptive routing	Congestion Control
	InfiniBand routing*	Set Offload (SHArP)
	Collective Communication Offload (SHArP)	80 gold+ and ENERGYSTAR certified power supply system

KVM System Product TA-1708 / TA-1708E



Features			TA-1708	TA-1708E
Number of server connections	Number of Direct Connections		8	8
	Maximum number of Connections		8	256
Connection Port	Console	Keyboard	1 x USB	1 x PS/2
		Mouse	1 x USB	1 x PS/2
		Monitor	1xHDB-15 Female ( Blue)	1xHDB-15 Female ( Blue)
	Server Connection		8xHDB-15 Female ( Yellow)	8xRJ-45 female
	Power Supply		3-Prong AC socket	1x3-Prong AC socket
I/R value			100V- 240V AC, 50/60HZ, 1A	100V- 240Vac, 50~60Hz, <1.5A
Power Consumption			27W	19W
Monitor	Display Type		XGATFT	XGATFT
	visible Area		17"	17"
	Best Resolution		1280x1024@60Hz	1280x1024@60Hz
Environmental Requirements	Operating Temperature		0-50°C	0-50°C
	Storage Temperature		-20-60°C	-20-60°C
	Humidity		0-80%RH,Non-condensing	0-80%RH,Non-condensing
Physical Properties	Material		Metal	Metal
	Weight		13.7kg	13kg
	Size		448mmx581mmx42.5mm	448mmx581mmx42.5mni

KVM System Product  
TA-2716E / TA-2716I

Features			TA-2716E	TA-2716I
Number of server connections	Number of Direct Connections		16	16
	Maximum number of Connections		512	512
Connection Port	Console	Keyboard	1 x USB	1 x USB
		Mouse	1 x USB	1 x USB
		Monitor	1 x HDB-15 Female (Blue)	1 x HDB-15 Female (Blue)
	Server Connection		16 x RJ-45 female	16 x RJ-45 female
	Power Supply		3-Prong AC socket	3-Prong AC socket
I/R value			100V- 240V AC, 50/60HZ, 1A	100V- 240Vac, 50~60Hz, <1.5A
Power Consumption			20W	23W
Monitor	Display Type		XGA TFT	XGA TFT
	visible Area		17"	17"
	Best Resolution		1280x1024@60Hz	1280x1024@60Hz
Environmental Requirements	Operating Temperature		0-40°C	0-50°C
	Storage Temperature		-20-60°C	-20-60°C
	Humidity		0-80%RH, Non-condensing	0-80%RH, Non-condensing
Physical Properties	Material		Metal	Metal
	Weight		13kg	13kg
	Size		448mmx581mmx42.5mm	448mmx581mmx42.5mni

