xFUSION

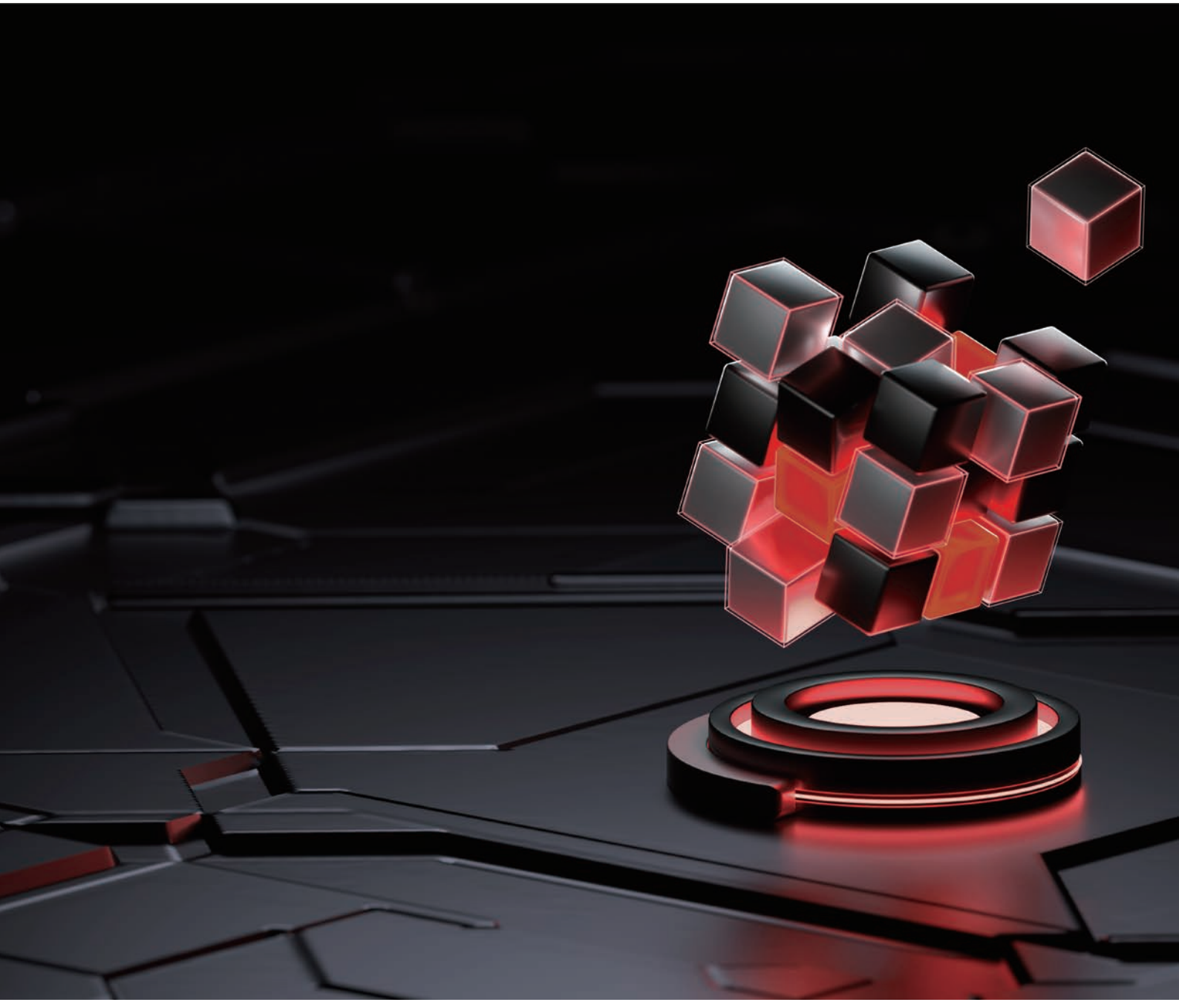
Computing Infrastructure Product Manuals

xFusion Digital Technologies Co., Ltd.

About xFusion

xFusion Digital Technologies Co., Ltd. (also referred to as “xFusion”) is a leading global provider of computing infrastructures and services. Guided by the vision "Let Computing Serve You Better", xFusion continuously creates value for customers and partners, and accelerates the digital transformation of various industries. With a global footprint, xFusion has established 9 research centers, 7 regional offices, and 6 Global Technical Assistance Centers (GTACs) worldwide.

We have delivered innovative computing solutions to over 10,000 customers in over 100 countries and regions, including 223 Fortune Global 500 companies across key industries such as telecom, finance, internet, transportation, and energy.



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01 Rack Server
FusionServer 1288H V7

Introduction

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FusionServer 1288H V7 (1288H V7) is a new-generation 1U 2-socket rack server designed for the Internet, Internet Data Center (IDC), cloud computing, enterprise business, and telecom. It is also ideal for IT core services, virtualization, scientific computing, distributed storage, and other complex workloads. The 1288H V7 features low power consumption, high scalability and reliability, easy deployment, and simplified management.

Highlights

High-Density Computing Power

- High-density computing power: 2 x 350 W CPUs and 32 x DDR5 DIMMs in 1U space
- Faster connectivity for faster applications: PCIe 5.0 and 400 Gbit/s NIC interconnection
- High-speed flash and doubled performance: 32 x E1.S SSDs with higher density in the smaller size

High Reliability and Security

- Heat pipe remote heat dissipation technology ensures reliable heat dissipation and stronger temperature adaptation, providing 50% better heat dissipation capability than a single heat sink
- Unique AI memory fault self-healing ensures stable system running and reduces system downtime by 66%
- RoT-based secure boot ensures security everywhere

Efficient Energy Saving

- The unique algorithm is provided for the lowest power consumption of fans and CPUs, saving energy by up to 8% compared with the industry average
- Industry-leading power supply technology for higher efficiency: Three core technologies improve power and efficiency, enabling the industry-leading power conversion rate and the power loss 12.5% lower than the industry average
- Intelligent service awareness and dynamic load adjustment: The CPU working frequency is dynamically adjusted based on the actual service load

Intelligent O&M

- Automatic version push and upgrades can be completed without onsite attendance, improving upgrade efficiency by 20 times
- 75% streamlined deployment steps are performed by tools, improving deployment efficiency by 10 times
- Supports takeover of all vendors' servers, automatic asset location identification, and real-time tracking, 100% accuracy for asset stocktaking

Technical Specifications

Form Factor	1U rack server
Processor	1 or 2 x 4th or 5th Gen Intel® Xeon® Scalable processors with TDP up to 350 W per processor
Chipset	Emmitsburg PCH
Memory	32 x DDR5 DIMMs, with up to 4800 MT/s speed
Local Storage	Hot-swappable drive configurations: - 8 to 10 x 2.5" SAS/SATA drives/SSDs (2/4/6/8/10 x NVMe SSDs, up to 10 x drives) - 4 x 3.5" SAS/SATA drives/SSDs - Up to 32 x E1.S drives* Flash storage: dual M.2 SSDs
RAID	RAID 0, 1, 10, 1E, 5, 50, 6, or 60; supercapacitors for cache data protection from power failures; RAID level migration, drive roaming, self-diagnosis, and remote web-based configuration
Network	Multiple network expansion capabilities; 2 x FlexIO card slots dedicated for OCP 3.0 NICs, which can be configured as required; supporting hot swap and PCIe 5.0
PCIe Expansion	5 x PCIe slots, including 2 x FlexIO slots dedicated for OCP 3.0 NICs and 3 x PCIe slots, and 2 slots supporting PCIe 5.0
Fan Module	8 x hot-swappable counter-rotating fan modules in N+1 redundancy
PSU	2 x hot-swappable Platinum/Titanium PSUs in 1+1 redundancy - 900 W AC Platinum/Titanium PSUs (input: 100 V to 240 V AC, or 192 V to 288 V DC) - 1500 W AC Platinum PSUs 850 W (input: 100 V to 127 V AC) 1500 W (input: 200 V to 240 V AC, or 192 V to 288 V DC) - 1500 W 380 V HVDC PSUs (input: 260 V to 400 V DC) - 1200 W -48 V to -60 V DC PSUs (input: -38.4 V to -72 V DC) - 2000 W AC Platinum/Titanium PSUs 1800 W (input: 200 V to 220 V AC or 192 V to 200 V DC) 2000 W (input: 220 V to 240 V AC, or 200 V to 288 V DC) 2150 W Titanium PSUs (input: 230 V to 240 V AC, or 230 V to 288 V DC)
Management	The iBMC chip integrates one dedicated management GE network port, providing comprehensive management features such as fault diagnosis, automatic O&M, and hardware security hardening. - The iBMC supports standard interfaces such as Redfish, SNMP, and IPMI 2.0, provides a remote management user interface based on HTML5/VNC KVM; supports out-of-band management functions such as monitoring, diagnosis, configuration, Agentless, and remote control for simplified management - It is optional to configure the FusionDirector management software that provides advanced management features such as five intelligent technologies, enabling intelligent, automatic, visualized, and refined management throughout the lifecycle
OS	FusionOS, Microsoft Windows Server, SUSE Linux Enterprise Server, VMware ESXi, Red Hat Enterprise Linux, CentOS, Oracle, Ubuntu, Debian, and openEuler
Security	Power-on password, administrator password, Trusted Platform Module (TPM) 2.0, security panel, secure boot, and chassis cover opening detection
Operating Temperature	5°C to 50°C (41°F to 122°F), compliant with ASHRAE Classes A1/A2/A3/A4
Certification	CE, UL, CCC, FCC, VCCI, and RoHS
Installation Suite	L-shaped guide rails, adjustable guide rails, and holding rails
Dimensions (H x W x D)	Chassis with 3.5" drives: 43mm x 447 mm x 798 mm (1.69 in. x 17.60 in. x 31.42 in.) Chassis with 2.5" drives: 43mm x 447 mm x 798 mm (1.69 in. x 17.60 in. x 31.42 in.)

*According to the plan, it will be realized within 2024.

01 Rack Server
FusionServer 2288 V7

Introduction


2288 V7 (8 drives)


2288 V7 (12 drives)


2288 V7 (24 drives)


2288 V7 (25 drives)

FusionServer 2288 V7 (2288 V7) is a new-generation 2U 2-socket rack server designed for the Internet, Internet Data Center (IDC), cloud computing, enterprise business, and telecom. It is also ideal for IT core services, virtualization, scientific computing, distributed storage, big data processing, and other complex workloads. The 2288 V7 features low power consumption, high scalability and reliability, easy deployment, and simplified management.

Highlights

Flexible Computing

- Lightweight computing power and energy saving and consumption reduction: Lower-power fans meet heat dissipation requirements, simplifying the air duct design and enabling fast heat dissipation
- Streamlined design and flexible and easy use: Four riser-free standard PCIe slots ensure flexible configuration and tool-free maintenance

High Reliability and Security

- Heat pipe remote heat dissipation technology ensures reliable heat dissipation and stronger temperature adaptation, providing 50% better heat dissipation capability than a single heat sink
- Unique AI memory fault self-healing ensures stable system running and reduces system downtime by 66%
- RoT-based secure boot ensures security everywhere

Efficient Energy Saving

- The unique algorithm is provided for the lowest power consumption of fans and CPUs, saving energy by up to 8% compared with the industry average
- Industry-leading power supply technology for higher efficiency: Three core technologies improve power and efficiency, enabling the industry-leading power conversion rate and the power loss 12.5% lower than the industry average
- Intelligent service awareness and dynamic load adjustment: The CPU working frequency is dynamically adjusted based on the actual service load

Intelligent O&M

- Automatic version push and upgrades can be completed without onsite attendance, improving upgrade efficiency by 20 times
- 75% streamlined deployment steps are performed by tools, improving deployment efficiency by 10 times
- Supports takeover of all vendors' servers, automatic asset location identification, and real-time tracking, 100% accuracy for asset stocktaking

Technical Specifications

Form Factor	2U rack server
Processor	1 or 2 x 4th Gen Intel® Xeon® Scalable processors (Sapphire Rapids) with TDP up to 225 W per processor
Chipset	Emmitsburg PCH
Memory	16 x DDR5 DIMMs, with up to 4800 MT/s speed
Local Storage	Hot-swappable drive configurations: - 8 to 31 x 2.5" SAS/SATA drives/SSDs (up to 31 x 2.5" drives) - 10 to 14 x 3.5" SAS/SATA drives - 4 x NVMe SSDs Flash storage: dual M.2 SSDs
RAID	RAID 0, 1, 10, 1E, 5, 50, 6, or 60; supercapacitors for cache data protection from power failures; RAID level migration, drive roaming, self-diagnosis, and remote web-based configuration
Network	Multiple network expansion capabilities 1 x FlexIO card slot dedicated for 1 x OCP 3.0 NIC, which can be configured as required
PCIe Expansion	Up to 8 x PCIe slots, including 1 x FlexIO slot dedicated for the OCP 3.0 NIC, 1 x slot dedicated for the RAID controller card, and 6 x standard PCIe slots
GPU Card	up to 4 x 75 W half-height half-length GPU cards
Fan Module	4 x hot-swappable counter-rotating fan modules in N+1 redundancy
PSU	2 x hot-swappable Platinum/Titanium PSUs in 1+1 redundancy - 900 W AC Platinum/Titanium PSUs (input: 100 V to 240 V AC, or 192 V to 288 V DC) - 1500 W AC Platinum PSUs 850 W (input: 100 V to 127 V AC) 1500 W (input: 200 V to 240 V AC, or 192 V to 288 V DC) - 1500 W 380 V HVDC PSUs (input: 260 V to 400 V DC) - 1200 W -48 V to -60 V DC PSUs (input: -38.4 V to -72 V DC) - 2000 W AC Platinum/Titanium PSUs 1800 W (input: 200 V to 220 V AC, or 192 V to 200 V DC) 2000 W (input: 220 V to 240 V AC, or 200 V to 288 V DC) 2150 W Titanium PSUs (input: 230 V to 240 V AC, or 230 V to 288 V DC) - 3000 W AC Titanium PSUs 2500 W (input: 200 V to 220 V AC, or 192 V to 200 V DC) 2900 W (input: 220 V to 230 V AC, or 200 V to 230 V DC) 3000 W (input: 230 to 240 V AC, or 230 to 288 V DC)
Management	The iBMC chip integrates one dedicated management GE network port, providing comprehensive management features such as fault diagnosis, automatic O&M, and hardware security hardening. - The iBMC supports standard interfaces such as Redfish, SNMP, and IPMI 2.0, provides a remote management user interface based on HTML5/VNC KVM; supports out-of-band management functions such as monitoring, diagnosis, configuration, Agentless, and remote control for simplified management - It is optional to configure the FusionDirector management software that provides advanced management features such as five intelligent technologies, enabling intelligent, automatic, visualized, and refined management throughout the lifecycle
OS	FusionOS, Microsoft Windows Server, SUSE Linux Enterprise Server, VMware ESXi, Red Hat Enterprise Linux, CentOS, Oracle, Ubuntu, Debian, and openEuler
Security	Power-on password, administrator password, Trusted Platform Module (TPM) 2.0, security panel, secure boot, and chassis cover opening detection
Operating Temperature	5°C to 40°C (41°F to 104°F), compliant with ASHRAE Classes A1/A2/A3
Certification	CE, UL, CCC, FCC, VCCI, and RoHS
Installation Suite	L-shaped guide rails, adjustable guide rails, and holding rails
Dimensions (H x W x D)	Chassis with 3.5" drives: 86.1 mm x 447 mm x 798 mm (3.39 in. x 17.60 in. x 31.42 in.) Chassis with 2.5" drives: 86.1 mm x 447 mm x 798 mm (3.39 in. x 17.60 in. x 31.42 in.)

01 Rack Server
FusionServer 2288H V7

Introduction


2288H V7 (8 drives)


2288H V7 (12 drives)


2288H V7 (24 drives)


2288H V7 (25 drives)

FusionServer 2288H V7 (2288H V7) is a new-generation 2U 2-socket rack server designed for SDS, VDI, CDN, virtualization, big data, database, cloud scenarios, accelerated computing inference, small enterprises, OA, and web applications, meeting requirements of enterprise or telecom service applications and other complex workloads. The 2288H V7 features low power consumption, high scalability and reliability, easy deployment, and simplified management.

Highlights

Robust Performance

- 4th or 5th Gen Intel® Xeon® Scalable processors with 350 W TDP per processor, and 32 x DDR5 DIMMs, providing 50% better overall performance
- PCIe 5.0 protocol and 17 x standard PCIe slots ensure flexible configuration, allowing 100% higher PCIe bandwidth for high-speed interconnection
- High-speed flash memory and diverse configurations: (1) 34 x NVMe U.2 SSDs, high-speed flash for high performance; (2) 36 x E1.S SSDs, smaller size, higher density; (3) 45 x SAS/SATA SSDs, more slots, more cost-effective

High Reliability and Security

- Heat pipe remote heat dissipation technology ensures reliable heat dissipation and stronger temperature adaptation, providing 50% better heat dissipation capability than a single heat sink
- Unique AI memory fault self-healing ensures stable system running and reduces system downtime by 66%
- RoT-based secure boot ensures security everywhere

Efficient Energy Saving

- The unique algorithm is provided for the lowest power consumption of fans and CPUs, saving energy by up to 8% compared with the industry average
- Industry-leading power supply technology for higher efficiency: Three core technologies improve power and efficiency, enabling the industry-leading power conversion rate and the power loss 12.5% lower than the industry average
- Intelligent service awareness and dynamic load adjustment: The CPU working frequency is dynamically adjusted based on the actual service load

Intelligent O&M

- Automatic version push and upgrades can be completed without onsite attendance, improving upgrade efficiency by 20 times
- 75% streamlined deployment steps are performed by tools, improving deployment efficiency by 10 times
- Supports takeover of all vendors' servers, automatic asset location identification, and real-time tracking, 100% accuracy for asset stocktaking

Technical Specifications

Form Factor	2U rack server
Processor	1 or 2 x 4th or 5th Gen Intel® Xeon® Scalable processors with TDP up to 350 W per processor
Chipset	Emmitsburg PCH
Memory	32 x 4800 MT/s DDR5 DIMMs and 16 x DDR5 or DDR4 DIMMs supported by the CXL technology; up to 48 x DIMMs*
Local Storage	Hot-swappable drives configurations: - 8 to 35 x 2.5" SAS/SATA drives/SSDs (up to 45 x 2.5" drives or 34 x NVMe SSDs) - 12 to 20 x 3.5" SAS/SATA drives - 4/8/16/24 x NVMe SSDs - 36 x E1.S drives* Flash storage: 2 x M.2 SSDs, hardware RAID, and hot swap
RAID	RAID 0, 1, 10, 1E, 5, 50, 6, or 60; supercapacitors for cache data protection from power failures; RAID level migration, drive roaming, self-diagnosis, and remote web-based configuration
Network	Multiple network expansion capabilities; 2 x FlexIO card slots dedicated for OCP 3.0 NICs, which can be configured as required; supporting hot swap and PCIe 5.0
PCIe Expansion	Up to 19 x PCIe slots, including 2 x FlexIO slots dedicated for OCP 3.0 NICs and 17 x standard PCIe slots, 14 slots of which support PCIe 5.0
GPU Card	4 x dual-width or 14 x single-width GPU cards
Fan Module	4 x hot-swappable counter-rotating fans in N+1 redundancy
PSU	2 x hot-swappable Platinum/Titanium PSUs in 1+1 redundancy - 900 W AC Platinum/Titanium PSUs (input: 100 V to 240 V AC, or 192 V to 288 V DC) - 1500 W AC Platinum PSUs 850 W (input: 100 V to 127 V AC) 1500 W (input: 200 V to 240 V AC, or 192 V to 288 V DC) - 1500 W 380 V HVDC PSUs (input: 260 V to 400 V DC) - 1200 W -48 V to -60 V DC PSUs (input: -38.4 V to -72 V DC) - 2000 W AC Platinum/Titanium PSUs 1800 W (input: 200 V to 220 V AC, or 192 V to 200 V DC) 2000 W (input: 220 V to 240 V AC, or 200 V to 288 V DC) 2150 W Titanium PSUs (input: 230 V to 240 V AC, or 230 V to 288 V DC) - 3000 W AC Titanium PSUs 2500 W (input: 200 V to 220 V AC, or 192 V to 200 V DC) 2900 W (input: 220 V to 230 V AC, or 200 V to 230 V DC) 3000 W (input: 230 to 240 V AC, or 230 to 288 V DC)
Management	The iBMC chip integrates one dedicated management GE network port, providing comprehensive management features such as fault diagnosis, automatic O&M, and hardware security hardening. - The iBMC supports standard interfaces such as Redfish, SNMP, and IPMI 2.0, provides a remote management user interface based on HTML5/VNC KVM; supports out-of-band management functions such as monitoring, diagnosis, configuration, Agentless, and remote control for simplified management - It is optional to configure the FusionDirector management software that provides advanced management features such as five intelligent technologies, enabling intelligent, automatic, visualized, and refined management throughout the lifecycle
OS	FusionOS, Microsoft Windows Server, SUSE Linux Enterprise Server, VMware ESXi, Red Hat Enterprise Linux, CentOS, Oracle, Ubuntu, Debian, and openEuler
Security	Power-on password, administrator password, Trusted Platform Module (TPM) 2.0, security panel, secure boot, and chassis cover opening detection
Operating Temperature	5°C to 50°C (41°F to 122°F), compliant with ASHRAE Classes A1/A2/A3/A4
Certification	CE, UL, CCC, FCC, VCCI, and RoHS
Installation Suite	L-shaped guide rails, adjustable guide rails, and holding rails
Dimensions (H x W x D)	Chassis with 3.5" drives: 86.1 mm x 447 mm x 798 mm (3.39 in. x 17.60 in. x 31.42 in.) Chassis with 2.5" drives: 86.1 mm x 447 mm x 798 mm (3.39 in. x 17.60 in. x 31.42 in.)

*According to the plan, it will be realized within 2024

01 Rack Server
FusionServer 2488H V7

Introduction

2488H V7 (8 drives)

2488H V7 (12 drives)

2488H V7 (25 drives)

FusionServer 2488H V7 (2488H V7) is a 2U 4-socket rack server designed for the Internet Data Center (IDC), cloud computing, enterprise business, and telecom. It is also ideal for various applications, such as databases, virtualization, and in-memory computing. The 2488H V7 features high-performance computing, large-capacity storage, low power consumption, high reliability, easy management and deployment, and high virtualization application density.

Highlights

High Efficiency, Stability, and Scalability

- 4 x 4th Gen Intel® Xeon® Scalable processors in 2U space, up to 60 x cores and 120 x threads per processor, with TDP up to 350 W
- Up to 64 x DDR5 DIMMs, delivering up to 16 TB total memory capacity (calculated based on a maximum of 256 GB capacity per DDR5 memory module) and featuring high speed and availability
- Up to 25 x 2.5" drives
- Up to 8 x 2.5" NVMe SSDs, improving storage density and I/O performance
- Up to 9 x standard expansion slots
- 1 x GE/10GE/25GE/100GE OCP 3.0 NIC that supports orderly hot swap

High Reliability and Security

- Heat pipe remote heat dissipation technology ensures reliable heat dissipation and stronger temperature adaptation, providing 50% better heat dissipation capability than a single heat sink
- Unique AI memory fault self-healing ensures stable system running and reduces system downtime by 66%.
- RoT-based secure boot ensures security everywhere

Efficient Energy Saving

- The unique algorithm is provided for the lowest power consumption of fans and CPUs, saving energy by up to 8% compared with the industry average
- Industry-leading power supply technology for higher efficiency: Three core technologies improve power and efficiency, enabling the industry-leading power conversion rate and the power loss 12.5% lower than the industry average
- Intelligent service awareness and dynamic load adjustment: The CPU working frequency is dynamically adjusted based on the actual service load

Intelligent O&M

- Automatic version push and upgrades can be completed without onsite attendance, improving upgrade efficiency by 20 times
- 75% streamlined deployment steps are performed by tools, improving deployment efficiency by 10 times.
- Supports takeover of all vendors' servers, automatic asset location identification, and real-time tracking, 100% accuracy for asset stocktaking

Technical Specifications

Form Factor	2U rack server
Processor	2 or 4 x 4th Gen Intel® Xeon® Scalable processors with TDP up to 350 W per processor
Chipset	Emmitsburg PCH
Memory	64 x DDR5 DIMMs
Local Storage	Hot-swappable drives configurations: - 8 x front 2.5" SAS/SATA drives - 25 x front 2.5" SAS/SATA drives - 4 x front 2.5" SAS/SATA drives and 8 x NVMe SSDs Flash storage:2 x M.2 SSDs, supporting hardware RAID
RAID	RAID 0, 1, 10, 1E, 5, 50, 6, or 60; supercapacitors for cache data protection from power failures; RAID level migration, drive roaming, self-diagnosis, and remote web-based configuration
Network	Multiple network expansion capabilities 1 x OCP 3.0 NIC, supporting hot swap
PCIe Expansion	Up to 10 x PCIe slots, including 1 x FlexIO slot dedicated for the OCP 3.0 NIC and 9 x standard PCIe slots
Fan Module	6 x hot-swappable counter-rotating fans in N+1 redundancy
PSU	2 x hot-swappable Platinum/Titanium PSUs in 1+1 redundancy - 900 W AC Platinum/Titanium PSUs (input: 100 V to 240 V AC, or 192 V to 288 V DC) - 1500 W AC Platinum PSUs 850 W (input: 100 V to 127 V AC) 1500 W (input: 200 V to 240 V AC, or 192 V to 288 V DC) - 1500 W 380 V HVDC PSUs (input: 260 V to 400 V DC) - 1200 W -48 V to -60 V DC PSUs (input: -38.4 V to -72 V DC) - 2000 W AC Platinum/Titanium PSUs 1800 W (input: 200 V to 220 V AC, or 192 V to 200 V DC) 2000 W (input: 220 V to 240 V AC, or 200 V to 288 V DC) 2150 W Titanium PSUs (input: 230 V to 240 V AC, or 230 V to 288 V DC) - 3000 W AC Titanium PSUs 2500 W (input: 200 V to 220 V AC, or 192 V to 200 V DC) 2900 W (input: 220 V to 230 V AC, or 200 V to 230 V DC) 3000 W (input: 230 to 240 V AC, or 230 to 288 V DC)
Management	The iBMC chip integrates one dedicated management GE network port, providing comprehensive management features such as fault diagnosis, automatic O&M, and hardware security hardening. - The iBMC supports standard interfaces such as Redfish, SNMP, and IPMI 2.0, provides a remote management user interface based on HTML5/VNC KVM; supports out-of-band management functions such as monitoring, diagnosis, configuration, Agentless, and remote control for simplified management - It is optional to configure the FusionDirector management software that provides advanced management features such as five intelligent technologies, enabling intelligent, automatic, visualized, and refined management throughout the lifecycle
OS	FusionOS, Microsoft Windows Server, SUSE Linux Enterprise Server, VMware ESXi, Red Hat Enterprise Linux, Oracle, Ubuntu, and openEuler
Security	Power-on password, administrator password, Trusted Platform Module (TPM) 2.0, security panel, secure boot, and chassis cover opening detection
Operating Temperature	5°C to 45°C (41°F to 113°F), compliant with ASHRAE Classes A1/A2/A3/A4
Certification	CE, UL, CCC, FCC, VCCI, and RoHS
Installation Suite	L-shaped guide rails, adjustable guide rails, and holding rails
Dimensions (H x W x D)	Chassis with 2.5" drives: 86.1 mm x 447 mm x 898 mm (3.39 in. x 17.60 in. x 35.35 in.)

01 Rack Server FusionServer 5288 V7

Introduction

Front backplane of the 5288 V7 (24 drives)

Rear backplane of the 5288 V7

FusionServer 5288 V7 (5288 V7) is a new-generation 4U 2-socket rack server designed for the Internet, Internet Data Center (IDC), cloud computing, enterprise business, and telecom. It is also ideal for IT core services, virtualization, distributed storage, big data processing, and other complex workloads. The 5288 V7 features low power consumption, high scalability and reliability, easy deployment, and simplified management.

Highlights

Ultra-large Storage

- Ultra-large storage: 44 x 3.5" drives and 4 x NVMe U.2 SSDs
- Supreme computing power: Intel's latest Sapphire Rapids processors with up to 350 W TDP; 32 x DDR5 DIMMs
- Flexible expansion: up to 12 x standard PCIe slots

High Reliability and Security

- Heat pipe remote heat dissipation technology ensures reliable heat dissipation and stronger temperature adaptation, providing 50% better heat dissipation capability than a single heat sink
- Unique AI memory fault self-healing ensures stable system running and reduces system downtime by 66%
- RoT-based secure boot ensures security everywhere

Efficient Energy Saving

- The unique algorithm is provided for the lowest power consumption of fans and CPUs, saving energy by up to 8% compared with the industry average
- Industry-leading power supply technology for higher efficiency: Three core technologies improve power and efficiency, enabling the industry-leading power conversion rate and the power loss 12.5% lower than the industry average
- Intelligent service awareness and dynamic load adjustment: The CPU working frequency is dynamically adjusted based on the actual service load

Intelligent O&M

- Automatic version push and upgrades can be completed without onsite attendance, improving upgrade efficiency by 20 times
- 75% streamlined deployment steps are performed by tools, improving deployment efficiency by 10 times
- Supports takeover of all vendors' servers, automatic asset location identification, and real-time tracking, 100% accuracy for asset stocktaking

Technical Specifications

Form Factor	4U rack server
Processor	1 or 2 x 4th Gen Intel® Xeon® Scalable processors (Sapphire Rapids) with TDP up to 350 W per processor
Chipset	Emmitsburg PCH
Memory	32 x DDR5 DIMMs, with up to 4800 MT/s speed
Local Storage	Hot-swappable drives configurations: - 4 x 2.5" SAS/SATA drives/SSDs - 24 to 44 x 3.5" SAS/SATA drives - 8 x NVMe SSDs - E1.S or E3.S drives* Flash storage: dual M.2 SSDs
RAID	RAID 0, 1, 10, 1E, 5, 50, 6, or 60; supercapacitors for cache data protection from power failures; RAID level migration, drive roaming, self-diagnosis, and remote web-based configuration
Network	Multiple network expansion capabilities; 2 x FlexIO slots dedicated for 2 x OCP 3.0 NICs, which can be configured as required; supporting hot swap and PCIe 5.0
PCIe Expansion	Up to 12 x PCIe slots, including 2 x FlexIO slots dedicated for OCP 3.0 NICs and 10 x PCIe slots, and supporting PCIe 5.0
GPU Card	10 x single-width GPU cards
Fan Module	6 or 8 x hot-swappable counter-rotating fan modules in N+1 redundancy
PSU	2 x hot-swappable Platinum/Titanium PSUs in 1+1 redundancy - 900 W AC Platinum/Titanium PSUs (input: 100 V to 240 V AC, or 192 V to 288 V DC) - 1500 W AC Platinum PSUs 850 W (input: 100 V to 127 V AC) 1500 W (input: 200 V to 240 V AC, or 192 V to 288 V DC) - 1500 W 380 V HVDC PSUs (input: 260 V to 400 V DC) - 1200 W -48 V to -60 V DC PSUs (input: -38.4 V to -72 V DC) - 2000 W AC Platinum/Titanium PSUs 1800 W (input: 200 V to 220 V AC, or 192 V to 200 V DC) 2000 W (input: 220 V to 240 V AC, or 200 V to 288 V DC) 2150 W Titanium PSUs (input: 230 V to 240 V AC, or 230 V to 288 V DC) - 3000 W AC Titanium PSUs 2500 W (input: 200 V to 220 V AC, or 192 V to 200 V DC) 2900 W (input: 220 V to 230 V AC, or 200 V to 230 V DC) 3000 W (input: 230 to 240 V AC, or 230 to 288 V DC)
Management	The iBMC chip integrates one dedicated management GE network port, providing comprehensive management features such as fault diagnosis, automatic O&M, and hardware security hardening. - The iBMC supports standard interfaces such as Redfish, SNMP, and IPMI 2.0, provides a remote management user interface based on HTML5/VNC KVM; supports out-of-band management functions such as monitoring, diagnosis, configuration, Agentless, and remote control for simplified management - It is optional to configure the FusionDirector management software that provides advanced management features such as five intelligent technologies, enabling intelligent, automatic, visualized, and refined management throughout the lifecycle
OS	FusionOS, Microsoft Windows Server, SUSE Linux Enterprise Server, VMware ESXi, Red Hat Enterprise Linux, CentOS, Oracle, Ubuntu, Debian, and openEuler
Security	Power-on password, administrator password, Trusted Platform Module (TPM) 2.0, security panel, secure boot, and chassis cover opening detection
Operating Temperature	5°C to 35°C (41°F to 95°F), compliant with ASHRAE Classes A1/A2/A3
Certification	CE, UL, CCC, FCC, VCCI, and RoHS
Installation Suite	L-shaped guide rails, adjustable guide rails, and holding rails
Dimensions (H x W x D)	Chassis with 3.5" drives: 175 mm × 447 mm × 798 mm (6.89 in. x 17.60 in. x 31.42 in.)

*According to the plan, it will be realized within 2024.

01 Rack Server
FusionServer 5885H V7

Introduction


5885H V7
(8 drives)


5885H V7
(12 drives)


5885H V7
(24 drives)


5885H V7
(25 drives)


5885H V7
(50 drives)


5885H V7
(36 E1.S drives)

FusionServer 5885H V7 (5885H V7) is a 4U 4-socket rack server designed for the Internet Data Center (IDC), cloud computing, enterprise business, and telecom. It is also ideal for various applications, such as databases, virtualization, and in-memory computing. The 5885H V7 features high-performance computing, large-capacity storage, low power consumption, high scalability and reliability, easy deployment, and simplified management.

Highlights

High Efficiency, Stability, and Scalability

- 4 x new-generation Intel® Xeon® Scalable processors (Sapphire Rapids) in 4U space, up to 60 x cores and 120 x threads per processor, with TDP up to 350 W
- Up to 64 x DDR5 DIMMs, delivering up to 16 TB total memory capacity (calculated based on a maximum of 256 GB capacity per DDR5 memory module) and featuring high speed and availability
- Up to 52 x 2.5" drives
- Up to 24 x 2.5" NVMe SSDs, improving storage density and I/O performance
- Up to 21 x standard expansion slots
- 1 x GE/10GE/25GE/100GE OCP 3.0 NIC that supports orderly hot swap

Reliability and Security

- Unique AI memory fault self-healing ensures stable system running and reduces system downtime by 66%
- RoT-based secure boot ensures security everywhere

Efficient Energy Saving

- The unique algorithm is provided for the lowest power consumption of fans and CPUs, saving energy by up to 8% compared with the industry average
- Industry-leading power supply technology for higher efficiency: Three core technologies improve power and efficiency, enabling the industry-leading power conversion rate and the power loss 12.5% lower than the industry average
- Intelligent service awareness and dynamic load adjustment: The CPU working frequency is dynamically adjusted based on the actual service load

Intelligent O&M

- Automatic version push and upgrades can be completed without onsite attendance, improving upgrade efficiency by 20 times
- 75% streamlined deployment steps are performed by tools, improving deployment efficiency by 10 times
- Supports takeover of all vendors' servers, automatic asset location identification, and real-time tracking, 100% accuracy for asset stocktaking

Technical Specifications

Form Factor	4U rack server
Processor	2 or 4 x 4th Gen Intel® Xeon® Scalable processors (Sapphire Rapids) with TDP up to 350 W per processor
Chipset	Emmitsburg PCH
Memory	64 x DDR5 DIMMs
Local Storage	Hot-swappable drives configurations: - 8, 24, 25, or 50 x front 2.5" SAS/SATA drives - 4 x front 2.5" SAS/SATA drives and 8 x NVMe SSDs - 24 x front NVMe SSDs - 25 x front 2.5" SAS/SATA drives and 24 x front NVMe SSDs - 36 x front E1.S SSDs - Up to 52 x 2.5" drives Flash storage: Flash storage:2 x M.2 SSDs, supporting hardware RAID
RAID	RAID 0, 1, 10, 1E, 5, 50, 6, or 60; supercapacitors for cache data protection from power failures; RAID level migration, drive roaming, self-diagnosis, and remote web-based configuration
Network	Multiple network expansion capabilities: 1 x OCP 3.0 NIC, supporting hot swap
PCIe Expansion	Up to 22 x PCIe slots, including 1 x FlexIO slot dedicated for the OCP 3.0 NIC and 21 x standard PCIe slots
GPU Card	4 x dual-width GPU cards; 14 x single-width GPU cards
Fan Module	8 x hot-swappable counter-rotating fan modules in N+1 redundancy
PSU	4 x hot-swappable Platinum/Titanium PSUs in 2+2 redundancy - 900 W AC Platinum/Titanium PSUs (input: 100 V to 240 V AC, or 192 V to 288 V DC) - 1500 W AC Platinum PSUs 850 W (input: 100 V to 127 V AC) 1500 W (input: 200 V to 240 V AC, or 192 V to 288 V DC) - 1500 W 380 V HVDC PSUs (input: 260 V to 400 V DC) - 1200 W -48 V to -60 V DC PSUs (input: -38.4 V to -72 V DC) - 2000 W AC Platinum/Titanium PSUs 1800 W (input: 200 V to 220 V AC, or 192 V to 200 V DC) 2000 W (input: 220 V to 240 V AC, or 200 V to 288 V DC) 2150 W Titanium PSUs (input: 230 V to 240 V AC, or 230 V to 288 V DC) - 3000 W AC Titanium PSUs 2500 W (input: 200 V to 220 V AC, or 192 V to 200 V DC) 2900 W (input: 220 V to 230 V AC, or 200 V to 230 V DC) 3000 W (input: 230 to 240 V AC, or 230 to 288 V DC)
Management	The iBMC chip integrates one dedicated management GE network port, providing comprehensive management features such as fault diagnosis, automatic O&M, and hardware security hardening. - The iBMC supports standard interfaces such as Redfish, SNMP, and IPMI 2.0, provides a remote management user interface based on HTML5/VNC KVM; supports out-of-band management functions such as monitoring, diagnosis, configuration, Agentless, and remote control for simplified management - It is optional to configure the FusionDirector management software that provides advanced management features such as five intelligent technologies, enabling intelligent, automatic, visualized, and refined management throughout the lifecycle
OS	FusionOS, Microsoft Windows Server, SUSE Linux Enterprise Server, VMware ESXi, Red Hat Enterprise Linux, CentOS, Oracle, Ubuntu, Debian, and openEuler
Security	Power-on password, administrator password, Trusted Platform Module (TPM) 2.0, security panel, secure boot, and chassis cover opening detection
Operating Temperature	5°C to 45°C (41°F to 113°F), compliant with ASHRAE Classes A1/A2/A3/A4
Certification	CE, UL, CCC, FCC, VCCI, and RoHS
Installation Suite	L-shaped guide rails, adjustable guide rails, and holding rails
Dimensions (H x W x D)	Chassis with 2.5" drives: 175 mm x 447 mm x 898 mm (6.89 in. x 17.60 in. x 35.35 in.)

02 GPU Server
FusionServer G5500 V6

Introduction

G5500 V6

FusionServer G5500 V6 (G5500 V6) is a 4U 2-socket GPU server that supports GPU cards of various specifications and features excellent computing performance, flexible and balanced configuration, and efficient deployment and O&M. It is suitable for acceleration of accelerated computing, scientific computing, video analysis, and database applications, and supports enterprise and public cloud deployment. It is optimized for deep learning training, inference, and HPC services.

Highlights

Leading Architecture and Ultimate Performance

- 2 x 3rd Gen Intel® Xeon® processors (Ice Lake), up to 270 W TDP per processor
- 10 x FHFL dual-width GPU cards
- 32 x DDR4 DIMM slots, up to 3200 MT/s, and up to 8 TB total capacity
- 24 x 3.5" drives, including a maximum of 8 x NVMe drives and 2 x M.2 SSDs, improving storage density and I/O performance
- 16 x PCIe slots, including 12 x PCIe 4.0 x16 standard slots, 3 x OCP slots, and 1 x daughter card slot, providing excellent scalability

Flexible Configuration and High Stability and Reliability

- One-click topology switchover between Single-root cascaded topology and Double-root balanced topology, flexibly adapting to multiple scenarios
- Multiple types of GPU cards, including FHFL dual-width, FHFL single-width, and HHHL single-width GPU cards
- 4 x 3000 W Titanium PSUs in N+N/N+M redundancy
- 6 x customized fans in N+1 redundancy

Intelligent O&M

- Automatic version push and upgrades can be completed without onsite attendance, improving upgrade efficiency by 20 times
- 75% streamlined deployment steps are performed by tools, improving deployment efficiency by 10 times
- Supports takeover of all vendors' servers, automatic asset location identification, and real-time tracking, 100% accuracy for asset stocktaking

Technical Specifications

Form Factor	4U GPU server
Processor	2 x 3rd Gen Intel® Xeon® Scalable processors (Ice Lake), up to 270 W TDP per processor
Chipset	Intel® C621A
Memory	32 x DDR4 DIMM slots, up to 3200 MT/s
Local Storage	Hot-swappable drive configurations: - 24 x 3.5" drives, including a maximum of 8 x NVMe drives - 12 x NVMe drives and 8 x 2.5" drives Flash storage: dual M.2 SSDs
RAID	RAID 0, 1, 10, 5, 50, 6, or 60; Supercapacitors for cache data protection from power failures; RAID level migration, drive roaming, self-diagnosis, and remote web-based configuration
GPU Card	10 x FHFL dual-width GPU cards
Network	Multiple network expansion capabilities 3 x OCP 3.0 NICs, which can be configured as required and supports orderly hot swap
PCIe Expansion	Up to 16 x PCIe expansion slots, including 12 x PCIe 4.0 x16 standard slots, 3 x OCP slots, and 1 x built-in RAID card slot
Fan Module	6 x hot-swappable counter-rotating fans in N+1 redundancy
PSU	4 x hot-swappable Platinum/Titanium PSUs in N+N/N+M redundancy - 1500 W 380 V HVDC PSUs (input: 260 V to 400 V DC) - 1200 W -48 V to -60 V DC PSUs (input: -38.4 V to -72 V DC) - 2000 W AC Platinum/Titanium PSUs 1800 W (input: 200 V to 220 V AC, or 192 V to 200 V DC) 2000 W (input: 220 V to 240 V AC, or 200 V to 288 V DC) 2150 W Titanium PSUs (input: 230 V to 240 V AC, or 230 V to 288 V DC) - 3000 W AC Titanium PSUs 2500 W (input: 200 V to 220 V AC, or 192 V to 200 V DC) 2900 W (input: 220 V to 230 V AC, or 200 V to 230 V DC) 3000 W (input: 230 to 240 V AC, or 230 to 288 V DC)
Management	The iBMC chip integrates one dedicated management GE network port, providing comprehensive management features such as fault diagnosis, automatic O&M, and hardware security hardening. - The iBMC supports standard interfaces such as Redfish, SNMP, and IPMI 2.0, provides a remote management user interface based on HTML5/VNC KVM; supports out-of-band management functions such as monitoring, diagnosis, configuration, Agentless, and remote control for simplified management - It is optional to configure the FusionDirector management software that provides advanced management features such as five intelligent technologies, enabling intelligent, automatic, visualized, and refined management throughout the lifecycle
OS	Microsoft Windows Server, SUSE Linux Enterprise Server, Red Hat Enterprise Linux, Ubuntu, openEuler, etc
Security	Power-on password, administrator password, Trusted Platform Module (TPM) 2.0, security panel, secure boot, and chassis cover opening detection
Operating Temperature	5°C to 35°C (41°F to 95°F), compliant with ASHRAE Classes A1/A2
Certification	CE, UL, CCC, FCC, VCCI, and RoHS
Installation Suite	L-shaped guide rails, adjustable guide rails, and holding rails
Dimensions (H x W x D)	175 mm x 447 mm x 898 mm (6.89 in. x 17.60 in. x 35.35 in.)

*According to the plan, it will be realized within 2024

02 GPU Server
FusionServer G5200 V7

Introduction

G5200 V7

G5200 V7 rear backplane

FusionServer G5200 V7 (G5200 V7) is a new-generation 4U 2-socket GPU server that meets the requirements of large-capacity storage. Featuring robust performance, high reliability and security, efficient energy saving, simplified management, and easy deployment, it can be used for training and inference workloads and is suitable for voice, image, and video analysis scenarios.

Highlights

Robust Performance

- Ultra-large storage: up to 32 x 3.5" SAS/SATA drives, 4 x NVMe SSDs, and 2 x M.2 SSDs
- Supreme computing power: Intel's latest Sapphire Rapids processors with up to 350 W TDP; 4 x FHFL dual-width GPU cards; GPU pass-through design, eliminating the need of PCIe switches for communication between CPUs and GPUs
- Flexible expansion: up to 10 x standard PCIe slots and 2 x OCP 3.0 NICs

High Reliability and Security

- Heat pipe remote heat dissipation technology ensures reliable heat dissipation and stronger temperature adaptation, providing 50% better heat dissipation capability than a single heat sink
- Unique AI memory fault self-healing ensures stable system running and reduces system downtime by 66%
- RoT-based secure boot ensures security everywhere

Efficient Energy Saving

- The unique algorithm is provided for the lowest power consumption of fans and CPUs, saving energy by up to 8% compared with the industry average
- Industry-leading power supply technology for higher efficiency: Three core technologies improve power and efficiency, enabling the industry-leading power conversion rate and the power loss 12.5% lower than the industry average
- Intelligent service awareness and dynamic load adjustment: The CPU working frequency is dynamically adjusted based on the actual service load

Intelligent O&M

- Automatic version push and upgrades can be completed without onsite attendance, improving upgrade efficiency by 20 times
- 75% streamlined deployment steps are performed by tools, improving deployment efficiency by 10 times
- Supports takeover of all vendors' servers, automatic asset location identification, and real-time tracking, 100% accuracy for asset stocktaking

Technical Specifications

Form Factor	4U GPU server
Processor	1 or 2 x 4th Gen Intel® Xeon® Scalable processors (Sapphire Rapids) with TDP up to 350 W per processor
Chipset	Emmitsburg PCH
Memory	32 x DDR5 DIMMs, with up to 4800 MT/s speed
Local Storage	Hot-swappable drive configurations: - Up to 32 x 3.5" SAS/SATA drives - Up to 4 x NVMe SSDs - E1.S SSDs* Flash storage:2 x M.2 SSDs
RAID	RAID 0, 1, 10,1E, 5, 50, 6, and 60; supercapacitors for cache data protection against power failures; RAID level migration, drive roaming, self-diagnosis, and remote web-based configuration
GPU Card	4 x dual-width or 10 x single-width GPU cards
Network	Multiple network expansion capabilities 2 x OCP 3.0 NICs, which can be configured as required; supporting orderly hot swap and PCIe 5.0
PCIe Expansion	Up to 10 x standard PCIe slots, supporting PCIe 5.0
Fan Module	8 x hot-swappable counter-rotating fan modules in N+1 redundancy
PSU	4 x hot-swappable PSUs, with PSU 1 and PSU 2 in 1+1 redundancy and PSU 3 and PSU 4 in 1+1 redundancy - 1500 W AC Platinum PSUs 850 W (input: 100 V to 127 V AC) 1500 W (input: 200 V to 240 V AC, or 192 V to 288 V DC) - 1500 W 380 V HVDC PSUs (input: 260 V to 400 V DC) - 1200 W 48 V to -60 V DC PSUs (input: -38.4 V to -72 V DC) - 2000 W AC Platinum/Titanium PSUs 1800 W (input: 200 V to 220 V AC, or 192 V to 200 V DC) 2000 W (input: 220 V to 240 V AC, or 200 V to 288 V DC) 2150 W Titanium PSUs (input: 230 V to 240 V AC, or 230 V to 288 V DC) - 3000 W AC Titanium PSUs 2500 W (input: 200 V to 220 V AC, or 192 V to 200 V DC) 2900 W (input: 220 V to 230 V AC, or 200 V to 230 V DC) 3000 W (input: 230 to 240 V AC, or 230 to 288 V DC)
Management	The iBMC chip integrates one dedicated management GE network port, providing comprehensive management features such as fault diagnosis, automatic O&M, and hardware security hardening. - The iBMC supports standard interfaces such as Redfish, SNMP, and IPMI 2.0, provides a remote management user interface based on HTML5/VNC KVM; supports out-of-band management functions such as monitoring, diagnosis, configuration, Agentless, and remote control for simplified management - It is optional to configure the FusionDirector management software that provides advanced management features such as five intelligent technologies, enabling intelligent, automatic, visualized, and refined management throughout the lifecycle
OS	FusionOS, Microsoft Windows Server, SUSE Linux Enterprise Server, VMware ESXi, Red Hat Enterprise Linux, CentOS, Oracle, Ubuntu, Debian, and openEuler
Security	Power-on password, administrator password, Trusted Platform Module (TPM) 2.0, security panel, secure boot, and chassis cover opening detection
Operating Temperature	5°C to 35°C (41°F to 95°F) , compliant with ASHRAE Class A1/A2/A3
Certification	CE, UL, CCC, FCC, VCCI, and RoHS
Installation Suite	L-shaped guide rails, adjustable guide rails, and holding rails
Dimensions (H x W x D)	175 mm x 447 mm x 798 mm (6.89 in. x 17.60 in. x 31.42 in.)

*According to the plan, it will be realized within 2024

02 GPU Server
FusionServer G5500 V7

Introduction

G5500 V7

FusionServer G5500 V7 (G5500 V7) is a next-generation 4U 2-socket GPU server. It supports up to 10 x dual-width GPU cards and has the capability to accommodate 4 x standard PCIe cards and 3 x OCP cards for extensive expansion. With 24 x 3.5" drives or 12 x NVMe SSDs, it provides remarkable storage options with ultra-large capacity or ultra-fast storage. G5500 V7 features high performance, flexible architecture, solid reliability, easy deployment, and simplified management. It is designed for accelerating applications such as AI training, AI inference, high-performance computing (HPC), image and video analysis, and databases, and supports enterprise and public cloud deployment.

Highlights

Optimal performance

- General computing: 2 x 4th Gen Intel® Xeon® Sapphire Rapids processors with up to 350 W TDP per processor, and 32 x DDR5 DIMMs, improving overall performance by up to 50%
- Intelligent computing: up to 10 x dual-width GPU cards, improving AI computing by 25% compared with the server with 8 x GPU cards
- Large storage: up to 24 x 3.5" SAS/SATA drives or 12 x NVMe SSDs + 8 x SATA/SAS drives
- Numerous I/Os: typical configuration of 8 x dual-width GPUs, another 6 x standard PCIe cards and 3 x OCP NICs, leading the industry

Extreme flexibility

- One-click switchover between cascaded and balanced topologies, flexibly adapting to multiple scenarios
- PCIe Retimer-free design, reducing the PCIe lane latency and system power consumption
- GPUDirect Storage/RDMA/P2P, adaptive to large-scale cluster deployment

Ultimate reliability

- Innovative drive design with vibration resistance and noise reduction, diminishing the failure rate by 60% compared to the industry average
- Enhanced system robustness design and automatic firmware recovery
- Reliable fan redundancy: 6 or 8 x customized 8080+ fans in N+1 redundancy
- PSU redundancy and high efficiency: 4 x 3000 W Titanium PSUs in N+N/N+M redundancy

Technical Specifications

Form Factor	4U GPU server
Processor	2 x 4th Gen Intel® Xeon® Scalable processors (Sapphire Rapids), up to 350 W TDP per processor
Chipset	Emmitsburg PCH
Memory	32 x DIMMs at up to 4800 MT/s, up to 128 GB per DIMM
Local Storage	Hot-swappable and flexible drive configurations: - Up to 24 x 3.5" SAS/SATA drives - Up to 12 x NVMe SSDs and 8 x SATA/SAS drives Flash storage: dual M.2 SSDs
RAID	RAID 0, 1, 10, 5, 50, 6, and 60; supercapacitors for cache data protection against power failures; RAID level migration, drive roaming, self-diagnosis, and remote web-based configuration
GPU Card	10 x dual-width GPU cards
Network	Multiple network expansion capabilities, 3 x OCP 3.0 NICs
PCIe Expansion	Up to 14 x standard PCIe 5.0 slots, including 10 x dedicated slots for GPU cards
Fan Module	6 or 8 x hot-swappable counter-rotating fan modules in N+1 redundancy
PSU	4 x hot-swappable Platinum/Titanium PSUs in N+N/N+M redundancy - 1500 W 380 V HVDC PSUs (input: 260 V to 400 V DC) - 1200 W -48 V to -60 V DC PSUs (input: -38.4 V to -72 V DC) - 2000 W AC Platinum/Titanium PSUs 1800 W (input: 200 V to 220 V AC, or 192 V to 200 V DC) 2000 W (input: 220 V to 240 V AC, or 200 V to 288 V DC) 2150 W Titanium PSUs (input: 230 V to 240 V AC, or 230 V to 288 V DC) - 3000 W AC Titanium PSUs 2500 W (input: 200 V to 220 V AC, or 192 V to 200 V DC) 2900 W (input: 220 V to 230 V AC, or 200 V to 230 V DC) 3000 W (input: 230 to 240 V AC, or 230 to 288 V DC)
Management	The iBMC chip integrates one dedicated management GE network port, providing comprehensive management features such as fault diagnosis, automatic O&M, and hardware security hardening. - The iBMC supports standard interfaces such as Redfish, SNMP, and IPMI 2.0, provides a remote management user interface based on HTML5/VNC KVM; supports out-of-band management functions such as monitoring, diagnosis, configuration, Agentless, and remote control for simplified management - It is optional to configure the FusionDirector management software that provides advanced management features such as five intelligent technologies, enabling intelligent, automatic, visualized, and refined management throughout the lifecycle
OS	Microsoft Windows Server, SUSE Linux Enterprise Server, Red Hat Enterprise Linux, and Ubuntu
Security	Power-on password, administrator password, Trusted Platform Module (TPM) 2.0, security panel, secure boot, and chassis cover opening detection
Operating Temperature	5ºC to 40ºC (41ºF to 104ºF)*, compliant with ASHRAE Classes A1/A2/A3
Certification	CCC, CQC, VCCI, and CE
Installation Suite	L-shaped guide rails, adjustable guide rails, and holding rails
Dimensions (H x W x D)	175 mm x 447 mm x 898mm (6.89 in. x 17.60 in. x 35.35 in.)

*The highest operating temperature varies depending on the server configuration. For details, see the white paper.

02 GPU Server
FusionServer G8600 V7

Introduction

G8600 V7

FusionServer G8600 V7 is a new-generation flagship GPU server ideal for high-performance scenarios such as large-scale accelerated computing, scientific computing, and image and data analysis. It features flagship computing power, ultimate energy efficiency, high reliability, and easy O&M.

Highlights

Supreme Computing Power

- General computing power: 2 x 4th Gen Intel® Xeon® processors (Sapphire Rapids) with up to 350 W TDP per processor, and 32 x DDR5 DIMMs, improving the overall performance by up to 50%
- Intelligent computing power: 8 x GPU modules with the unmatched computing power in the industry
- Optimal architecture: compatible with the high-performance and balanced NVIDIA topologies; PCIe 5.0 devices in cable-free chassis without Retimer chips

Ultimate Energy Efficiency

- The 54 V and 12 V dual-plane architecture combined with the Model Predictive Control (MPC) algorithm for GPUs and CPUs enables 5.9% higher energy efficiency than the industry average and saves 500 W power under the typical load
- Compared with the 12 V PSUs, the dual-partitioned 54 V and 12 V PSUs reduce a power conversion step, saving 76 W power per server
- Self-developed 54 V and 12 V Titanium PSUs improve the power efficiency by 2% compared with Platinum PSUs under 50% load
- The 54 V PSUs support dual inputs, improving the power load rate and promoting the power efficiency by 1.9%
- The MPC algorithm for heat dissipation control saves about 1.1% power for fan modules

Optimal Reliability

- Highly reliable power supply architecture: 54 V dual-bus PSUs allow a smaller PSU amount and higher redundancy
- Modular and easy O&M: Six modules (GPU, CPU, fan, power supply, and I/O modules) can be replaced without being removed from the chassis, reducing maintenance time by 2.5 times
- Fan module and PSU redundancy: GPU and CPU fan modules in N+1 redundancy, 12 V PSUs in N+N redundancy, and 54 V PSUs in N+1 redundancy

Technical Specifications

Form Factor	8U GPU server
Processor	2 x 4th Gen Intel® Xeon® Scalable processors (Sapphire Rapids), up to 350 W TDP per processor
Chipset	Emmitsburg PCH
Memory	32 x DIMMs, up to 128 GB per DIMM, up to 4800 MT/s
Local Storage	Hot-swappable drive configurations: - Up to 25 x 2.5" SAS/SATA drives - Up to 8 x NVMe SSDs - 2 x M.2 SSDs
RAID	RAID 0, 1, 10, 5, 50, 6, or 60; supercapacitors for cache data protection from power failures; RAID level migration, drive roaming, self-diagnosis, and remote web-based configuration
GPU Module	8 x GPU modules
Network	2 x OCP 3.0 NICs, which can be configured as required and supports orderly hot swap
PCIe Expansion	Up to 22 x PCIe slots, including 20 x standard PCIe slots, 2 x OCP 3.0 slots, and 1 x built-in RAID controller card slot
Fan Module	GPU: 10 x 54 V fan modules in N+1 redundancy; CPU: 5 x 12 V fan modules in N+N redundancy
PSU	54 V PSUs Up to 6 x hot-swappable PSUs in N+1 redundancy: - 3000 W AC Titanium PSUs 1500 W (input: 100 V AC to 180 V AC) 2500 W (input: 180 V AC to 200 V AC) 3000 W (input: 200 V AC to 264 V AC) 12 V PSUs 2 x hot-swappable PSUs in N+N redundancy: - 3000 W AC Titanium PSUs 2500 W (input: 200 V AC to 220 V AC) 2900 W (input: 220 V AC to 230 V AC) 3000 W (input: 230 V AC to 240 V AC)
Management	The iBMC chip integrates one dedicated management GE network port, providing comprehensive management features such as fault diagnosis, automatic O&M, and hardware security hardening. - The iBMC supports standard interfaces such as Redfish, SNMP, and IPMI 2.0, provides a remote management user interface based on HTML5/VNC KVM; supports out-of-band management functions such as monitoring, diagnosis, configuration, Agentless, and remote control for simplified management - It is optional to configure the FusionDirector management software that provides advanced management features such as five intelligent technologies, enabling intelligent, automatic, visualized, and refined management throughout the lifecycle
OS	Ubuntu, SUSE Linux Enterprise Server, Red Hat Enterprise Linux, and others
Security	Power-on password, administrator password, Trusted Platform Module (TPM) 2.0, and secure boot
Operating Temperature	5°C to 35°C (41°F to 95°F), compliant with ASHRAE Class A1/A2/A3
Certification	CQC, CE, and RoHS
Installation Suite	L-shaped guide rails
Dimensions (H x W x D)	356 mm x 447 mm x 898 mm (14.02 in. x 17.60 in. x 35.35 in.)

*According to the plan, it will be realized within 2024

03 Rack-Scale Server FusionPoD

Introduction

FusionPoD

DH122E V6

DH120E V7

The FusionPoD rack-scale server (FusionPoD) adopts the leading integrated cabinet design, including the centralized N+1 power supply system, three-bus design of power, network, and liquid cooling, and blind mating of nodes. It achieves easy O&M benefiting from cable-free deployment in a cabinet and is expected to support unmanned O&M in the coming years. The FusionPoD features high density, powerful performance, high energy efficiency, robust reliability, integrated delivery, and simplified O&M. It is applicable to cloud computing, virtualization, big data, scientific computing, and other applications, and can be widely deployed in enterprise business, Internet data centers (IDCs), telecom, Internet, and other data centers.

Highlights

High-Density Computing Power Enhanced by 8 Times

- Power supply: industry-leading N+1 centralized power supply technology and unique CQC level-6 (Ultra-Titanium) PSUs, delivering up to 96.5% conversion efficiency
- Heat dissipation: high-density shovel-tooth cold plates, meeting heat dissipation requirements of high-power chips
- Data communication: high-speed passive cable backplane

Three-Bus Full Blind Mating and Cable-Free Design with Ultimate Intelligence

- Industry-unique three-bus blind mating (power, network, and liquid cooling) design, with 0 cables in the cabinet
- Blind node mating for efficient O&M: blind mating of nodes, supporting unmanned O&M in the future
- Integrated delivery without onsite installation: installation and commissioning of the rack-scale server on the production line, realizing the integrated delivery to the customer's equipment room and improving rollout efficiency by times
- RoT-based secure boot ensures security everywhere

Native Liquid Cooling Design with pPUE as Low as 1.06, for Commercial Use

- Native liquid cooling: non-porous riveting and retaining wall design in the node, high-efficiency cold plates and passive rear door heat exchanger (RDHx), and pPUE as low as 1.06, with TÜV SÜD pPUE certificate
- Ten years of reliability certified by TÜV Rheinland: reliability design of the rack-scale server, ensuring 10+ years of service life, with the industry's first TÜV Rheinland liquid cooling leakage-free certificate
- Large-scale commercial use, over 50,000 nodes deployed on the live network

Technical Specifications

Number of Slots	Up to 46 slots Notes: - Slots 1–16 and 22–41: standard 1U height, for housing server nodes - Slots 17–21: 1.2U height, for housing switches - Slots 42–43: standard 1U height, for housing PDUs - Slots 44–46: standard 1U height, for housing PSUs
Server Node	36 x 1U nodes
pPUE	- Cabinet with RDHx: pPUE as low as 1.06 - Cabinet without RDHx: pPUE < 1.2
Management Module	Cabinet management module - PSU, sensor, and asset management in the cabinet, cabinet-level liquid leakage monitoring
Environmental Specifications	- Operating temperature: 5°C to 45°C (41°F to 113°F), compliant with ASHRAE Classes A1 to A4 - Storage temperature: Short-term storage temperature (≤ 72 hours): -40°C to +70°C (-40°F to +158°F) Long-term storage temperature (> 72 hours): 21°C to 27°C (69.8°F to 80.6°F) Maximum temperature change: 20°C (68 °F) per hour
Relative Humidity (Non-Condensing)	- Operating humidity: 8% to 90% - Short-term storage humidity (≤ 72 hours): 5% to 95% - Long-term storage humidity (> 72 hours): 30% to 69% - Maximum humidity change rate: 20% per hour
Switching Slot	Up to 5 x switch slots - Slot 19 supports a maximum of three customized switches (including two customized service switches and one customized out-of-band management switch). - Each slot from slots 17/18/20/21 supports one 1U standard third-party 10GE/25GE/100GE switch or two customized service switches.
Power Distribution	- 2N power supply system - Centralized power supply - 12 x PSUs (3 kW per PSU) - PSUs in N+1 or N+2 backup power supply - 2+2 three-phase AC power inputs - Voltage range: 346 V AC to 415 V AC
Product Certification	CE and UL
Max. Weight in Full Configuration	1225 Kg (2700.66 lb)
Dimensions (W x H x D)	- Cabinet with RDHx and without casters: 600 mm x 2200 mm x 1225 mm (23.62 in. x 86.61 in. x 48.23 in.) Cabinet with RDHx and casters: 600 mm x 2250 mm x 1225 mm (23.62 in. x 88.58 in. x 48.23 in.) - Cabinet without RDHx and casters: 600 mm x 2200 mm x 1175 mm (23.62 in. x 86.61 in. x 46.26 in.) Cabinet without RDHx and with casters: 600 mm x 2250 mm x 1175 mm (23.62 in. x 88.58 in. x 46.26 in.)

03 Rack-Scale Server
DH122E V6

Introduction

DH122E V6

The DH122E V6 is a 1U liquid-cooled server. The server is designed for improving the system computing density, featuring high computing performance, high liquid cooling ratio, and easy O&M. The DH122E V6 is ideal for high-density application scenarios, such as data centers, cloud computing, big data, and Internet applications.

Highlights

Processor	2 x 3rd Gen Intel® Xeon® Scalable processors (Intel Whitley Platform all series Ice Lake processors), up to 300 W
Chipset	Intel® C621A
DIMM	Up to 32 x DDR4 DIMMs; up to 16 x DDR4 DIMMs with liquid cooling for memory
Local Storage	Multiple drive configurations with hot swap support: 2 x SAS/SATA drives + 10 x SAS/SATA/NVMe drives
RAID	RAID 0, 1, 10, 5, 50, 6, or 60; supercapacitor for cache data power failure protection, RAID level migration, drive roaming, self-diagnosis, and remote web-based configuration
Network	Multiple network expansion capabilities, 1 x OCP 3.0 NIC, which can be configured as required
PCIe Expansion	4 x PCIe slots, including 1 x dedicated PCIe slot for RAID controller card, and 3 x standard PCIe 4.0 slots
Fan Module	7 x hot-swappable counter-rotating fan modules in N+1 redundancy
Cold Plate	One liquid-cooling board can be configured. The specifications are as follows: - 2 x CPUs + VRD liquid cooling, with liquid cooling ratio up to 65% - 2 x CPUs + 16 x DIMMs + VRD liquid cooling, with liquid cooling ratio up to 80%
Power Supply	One DC power module can be configured. The specifications are as follows: - 1600 W PSU - 3000 W PSU
Management	The iBMC chip integrates one dedicated management GE network port, providing comprehensive management features such as fault diagnosis, automatic O&M, and hardware security hardening. - The iBMC supports standard interfaces such as Redfish, SNMP, and IPMI 2.0, provides a remote management user interface based on HTML5/VNC KVM; supports out-of-band management functions such as monitoring, diagnosis, configuration, Agentless, and remote control for simplified management - It is optional to configure the FusionDirector management software that provides advanced management features such as five intelligent technologies, enabling intelligent, automatic, visualized, and refined management throughout the lifecycle
OS	Microsoft Windows Server, SUSE Linux Enterprise Server, VMware ESXi, Red Hat Enterprise Linux, Oracle, Ubuntu, Debian, and openEuler
Security	Security features such as power-on password, administrator password, TPM 2.0, and secure boot
Operating Temperature	5°C to 45°C (41°F to 113°F), compliant with ASHRAE Classes A1 to A4
Product Certification	CE and UL
Dimension (H x W x D)	43.2 mm x 536 mm x 900 mm (1.70 in. x 21.10 in. x 35.43 in.)

03 Rack-Scale Server
DH120E V7

Introduction

DH120E V7

DH120E V7 is a next-generation 1U 2-socket liquid-cooled server designed for the Internet, IDC, cloud computing, enterprise business, and telecom service applications. DH120E V7 features flexible expansion, high performance computing, high reliability, simplified management, and easy deployment. It is ideal for core IT services, cloud computing, virtualization, scientific computing, enterprise or telecom service applications, and other complex workloads.

Highlights

Processor	2 x 4th Gen Intel® Xeon® Scalable processors (Intel Eagle Stream Platform all series Sapphire Rapids processors), with TDP up to 350 W
Chipset	Emmitsburg PCH
DIMM	Up to 32 x DDR5 DIMMs
Local Storage	Multiple drive configurations with hot swap support: up to 12 x SAS/SATA/NVMe drives
RAID	RAID 0, 1, 10, 5, 50, 6, or 60; supercapacitor for cache data power failure protection, RAID level migration, drive roaming, self-diagnosis, and remote web-based configuration
Network	Multiple network expansion capabilities; up to 4 x standard HHHL NIC slots which can be configured as required
PCIe Expansion	Up to 4 x PCIe 5.0 x16 HHHL slots and 1 x HHHL slot for standard RAID controller card/1 x self-developed RAID controller card
Fan Module	7 x hot-swappable counter-rotating fan modules in N+1 redundancy
Cold Plate	2 x processors and VRD liquid cooling
Power Supply	1 x 3000 W DC PSU
Management	BMC management system for the server node
OS	SLES, Red Hat, VMware, and Ubuntu
Security	Administrator password, TPM 2.0, and secure boot
Operating Temperature	5°C to 45°C (41°F to 113°F), compliant with ASHRAE Classes A1 to A4
Certification	CE and UL
Dimension (H x W x D)	43.2 mm x 536 mm x 900 mm (1.70 in. x 21.10 in. x 35.43 in.)

03 Rack-Scale Server
FusionPoD for AI

Introduction

FusionPoD for AI

GN560E V7

64	1.06	100%	105	2/3
GPUs	pPUE	Native liquid cooling	kW	Blind mating
Peak computing	Ultimate energy efficiency	Unmatched energy efficiency	Ultrahigh power	Simplified O&M

The FusionPoD for AI rack-scale liquid-cooled server adopts the leading integrated cabinet design. It provides a 105 kW high-power centralized power supply system and eight nodes with each supporting eight GPUs. In addition, the cabinet uses the power supply and liquid cooling bus blind mating, 2N/N+N redundancy backup, and native liquid cooling, which achieves extreme energy efficiency and ultra-low PUE. The rack-scale liquid-cooled server supports automatic robot O&M and unmanned intelligent detection and O&M.

FusionPoD for AI features high computing, performance, energy efficiency, reliability, and bandwidth, integrated cabinet delivery, and simplified O&M. It is ideal for AI scenarios such as training and inference of large and super large models.

Highlights

Compatibility with Diverse Computing and High-Density Integration of 64 GPUs

- Diverse computing in the same architecture
- High-density deployment of eight GPUs per node and eight nodes per cabinet
- 105 kW power supply and heat dissipation per cabinet
- Flexible Ethernet and IB switches in the cabinet, up to 12 PCIe 5.0 x16 expansion slots, and cluster networking

Native Liquid-Cooling Design, Reducing TCO by 15% in Five Years

- Multi-level liquid cooling leakage protection and detection for components, nodes, and cabinets
- Water and electricity isolation and proactive pipe shutdown in case of liquid leakage
- Highly reliable liquid-cooling components, providing a life span of 10+ years, with TÜV Rheinland liquid cooling leakage-proof certification
- Green and low-carbon, 100% liquid cooling, and pPUE per cabinet as low as 1.06; integrated cabinet delivery, improving deployment efficiency by 10 times

Full Blind Mating of Power, Network, and Liquid, Supporting Plug and Play

- Integrated cabinet deployment, improving rollout efficiency by 10 times
- Nodes or GPU modules that are installed and removed independently, avoiding operations on power, network, or liquid during maintenance

03 Rack-Scale Server
FusionPoD for AI

Technical Specifications

Environmental Specifications	• Operating temperature: 5°C to 40°C (41°F to 104°F), compliant with ASHRAE Classes A1 to A3 • Storage temperature (within three months): –30°C to +60°C (–22°F to +140°F) • Storage temperature (within six months): –15°C to +45°C (5°F to 113°F) • Storage temperature (within one year): –10°C to +35°C (14°F to 95°F) • Maximum rate of temperature change: 20°C (36°F) per hour and 5°C (9°F) per 15 minutes
Relative Humidity (No Condensing)	• Operating humidity: 8% to 90% • Storage humidity (within three months): 8% to 85% • Storage humidity (within six months): 8% to 80% • Storage humidity (within one year): 20% to 75% • Maximum rate of humidity change: 20% per hour
Available Space	• Node area: 8 x 4U server nodes • Switch area: 5 x 1U general-purpose switches (rear ports) or 4 x 1U general-purpose switches (front ports) • PSU area: 2 x 3U power shelves and 1 x 2U AC PDU
Server Node	• 8 x 4U server nodes
pPUE	• ≥ 1.06
Management Module	• Cabinet management module: 2 x 10GE ports, 1 x GE port, and 1 x RS485 serial port • PSU, sensor, and asset management in the cabinet, and cabinet-level liquid leakage monitoring
Switch Slot	• Up to 5 x slots for switches • 5 x 1U general-purpose switches (rear ports) or 4 x 1U general-purpose switches (front ports) • 1 x GE/10GE/25GE/100GE switch or 200G/400G IB switch supported by each slot
Power Supply and Distribution	• 2N power supply system • Nominal voltage output: 48 V; actual output voltage: 54.5 V • 36 x PSUs (3 kW per PSU) • PSUs in N+M redundancy (1 ≤ M ≤ N) • Three-phase AC power supply input (6+6); voltage range: 346 V AC to 415 V AC
Certification	• CE, CB, and RoHS
Cabinet Size (H x W x D)	• Optical cables: 2250 mm x 600 mm x 1200 mm (88.58 in. x 23.62 in. x 47.24 in.) • Electrical cables: 2250 mm x 600 mm x 1300 mm (88.58 in. x 23.62 in. x 51.18 in.) • Note: Height includes height of casters. When a RDHx is included, depth increases by 125 mm (4.92 in.).
Weight in Full Configuration	• Fully-loaded cabinet: 1300 kg (2866.01 lb)

03 Rack-Scale Server
GN560E V7

Technical Specifications

Environmental Specifications	2 x 4th Gen Intel® Xeon® Scalable processors (Intel Eagle Stream Platform all series Sapphire Rapids CPUs), up to 350 W TDP per processor
Chipset	Emmitsburg PCH
Memory	32 x 4800 MT/s DDR5 RDIMMs
Local Storage	Hot-swappable and flexible drive configurations: Up to 8 x 2.5" front NVMe drives + 2 x 2.5" front SAS or SATA drives
RAID	Hot-swappable and flexible drive configurations: Up to 8 x 2.5" front NVMe drives + 2 x 2.5" front SAS or SATA drives
GPU Module	8 x GPU modules
Network	Multiple network expansion capabilities: IB, Ethernet, and FC Up to 12 x standard PCIe NICs, which can be configured as required
PCIe Expansion	Up to 13 x standard PCIe slots
Fan Module	10 x fan modules in N+1 redundancy
Cold Plate	Liquid cooling: CPUs + VRD + HGX 8-GPU modules Liquid cooling: CPUs + memory modules + VRD + HGX 8-GPU modules
Power Supply	54.5 V centralized power supply in a cabinet
Management	The iBMC chip integrates one dedicated management GE network port, providing comprehensive management features such as fault diagnosis, automatic O&M, and hardware security hardening. The iBMC supports standard interfaces such as Redfish, SNMP, and IPMI 2.0, provides a remote management interface based on HTML5/VNC KVM, and supports out-of-band management functions such as monitoring, diagnosis, configuration, Agentless, and remote control for simplified management.
OS	FusionOS, RHEL, Rocky Linux, Ubuntu, and SUSE
Security	Administrator password, TPM 2.0, and secure boot
Operating Temperature	Operating temperature: 5°C to 40°C (41°F to 104°F), compliant with ASHRAE Classes A1 to A3
Certification	CE, CB, and RoHS
Dimensions (H x W x D)	175 mm x 536 mm x 992 mm (6.89 in. x 21.10 in. x 39.06 in.)
Weight	80 kg (176.37 lb)

03 Cooling Distribution Unit
FusionCool

Introduction

The cooling distribution unit (CDU) adopts a highly integrated design with plate heat exchangers, secondary loop circulating pumps, filters, control valves, temperature detection systems, pressure detection systems, and centralized control systems. It is capable of precisely regulating the temperature, flow, and pressure of liquid-cooled servers. The liquid cooling system eliminates the use of chillers and maximizes the use of natural cooling sources, significantly improving the power utilization efficiency of data centers and reducing their reliance on specific climate conditions. The CDU applies to data centers in various scenarios, such as cloud computing, virtualization, and big data.

Highlights

Intelligent Temperature Control

- **Heat dissipation capability:** rated heat dissipation capability of 200 kW to 300 kW
- **Temperature control:** dynamic adaption to server loads, with a heat control precision of ±1°C (1.8°F)
- **Anti-condensing:** dew point monitoring function for automatic condensing prevention

Flexible Deployment

- **Flow control:** automatic traffic control by constant pressure difference for flexible adaption to different server configurations
- **Flexible adaption to multiple scenarios:** flexible side-by-side installation with server cabinets and installation in equipment rooms

High Stability and Reliability

- **Pump redundancy:** 1+1 redundancy, supporting alternate query and seamless switchover between the normal pump and the faulty one
- **Power supply:** 2N redundancy and dual-input power supply
- **Automatic refill:** system pressure monitoring and automatic water refill
- **Power failure memory:** no setting loss in the case of abnormal power failure
- **Auto power-on:** automatic start-up upon power restoration
- **Blockage pre-warning:** automatic monitoring of differential pressure between filters and heat exchangers, pre-warning of blockages for prompt maintenance

Intelligent Management

- **Remote settings:** remote setting of temperature and pressure differences
- **Status and fault management:** automatic operating status monitoring and fault reporting
- **Group control function:** multi-server hot backup and group control operation
- **Standard protocols:** SNMP and Modbus

03 Cooling Distribution Unit
FusionCool

Technical Specifications

Parameter	Description
Storage ambient temperature	-40 °C to +70°C (–40°F to +158°F)
Operating ambient humidity	5% to 95%
Operating ambient temperature	5°C to 50°C (41°F to 122°F)
Altitude	0 m to 3000 m (0 in. to 118,110.20 in.)

Model			FusionCool 200-320-S	FusionCool 300-470-D	FusionCool 300-500-S
Heat Dissipation Capability		kW	200	300	300
Primary Loop	Circulating medium	/	Water or glycol solution	Water or glycol solution	Water or glycol solution
	Feed and return liquid temperature	°C	35/45	35/45	35/45
	Circulating flow	LPM	320	470	500
	Filter accuracy	μm	300	300	300
	Interface size	mm	2-inch quick-connect chuck	3-inch quick-connect chuck	3-inch quick-connect chuck
Secondary Loop	Circulating medium	°C	Water or ethylene glycol aqueous solution	Water or ethylene glycol aqueous solution	Water or ethylene glycol aqueous solution
	Feed and return liquid temperature	°C	40/50	40/50	40/50
	Secondary frequency conversion water pump	Set	1	1+1	1
	Filter accuracy	μm	100	100	100
	Refill rate	LPM	1.5	1.5	1.5
	Interface size	mm	2-inch quick-connect chuck	3-inch quick-connect chuck	3-inch quick-connect chuck
Input voltage		V	380 V-3 Ph-50 Hz, 16 A Dual-input	380 V-3 Ph-50 Hz, 16 A Dual-input	380 V-3 Ph-50 Hz, 16 A Dual-input
Power		kW	2.8	5.2	5.2
Maximum working pressure		MPa	1	1	1
Maximum pressure bearing		MPa	1.6	1.6	1.6
Weight		kg	410	700	680
Dimensions (W×D×H)		mm	600×1050×2000/2250	600×1200×2000/2250	600×1200×2000/2250

04 Management Platform

FusionDirector Unified Computing Infrastructure Management

Introduction

FusionDirector serves as a unified Computing management software platform for intelligent infrastructure O&M throughout the server full lifecycle. It provides intelligent deployment, discovery, upgrade, maintenance, and energy-saving management throughout daily O&M for a lower OPEX. FusionDirector improves O&M efficiency by 30% and saves cost greatly. It ensures security in booting, running, datastream, compliance, and decommissioning for full-lifecycle user security system of xFusion servers.

FusionDirector provides standard Redfish interfaces to facilitate integration and interconnection. It can be widely used by telecom and enterprise customers in the public cloud, private cloud, accelerated computing, scientific computing, Internet, and Safe City scenarios.

Technical Specifications

Intelligent Maintenance

- Integration of prevention, diagnosis, and self-healing processors, memory modules, drives, and PSUs
- 96% accuracy for diagnosis and the downtime rate reduced by 66%

Intelligent Upgrading

- One-click automation, and automatic firmware version upgrades and matching in batches
- 20x higher upgrade efficiency

Intelligent Discovery

- Component-level visualization, automatic asset stocktaking in seconds, and real-time tracking
- 100% accuracy for asset stocktaking

Intelligent Energy Saving

- Dynamic and refined adjustment with efficient energy-saving technology
- Saving 8% more energy than the industry average

Intelligent Deployment

- Streamlined deployment and one-click switch among multiple modes for hardware, OSs, databases
- 10x higher deployment efficiency

More Information

For more information about xFusion,
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