ENANT

Product Catalogue
of
Server

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EN6188 1U Two-socket Universal Server

ENANT EN6188 is a self-developed 1U two-socket rack server; small space, high density, flexible configuration, the whole machine adopts modular design, which is conducive to heat dissipation and maintenance, and the product is stable and reliable. Users bring the performance of high-end products. It can be widely used for workloads such as virtualization, database, big data and artificial intelligence.

Powerful performance, ultra-high storage

Support Intel@Xeon@Scalable processor, support 24 DDR4 memory, Memory capacity is up to 9.0TB and supports four 3.5 -inch or ten 2.5 - inch hot - swap SAS/SATA hard drives or ten 2.5 - inch NVMe SSD configurations. Can pass 205W CPUs, low-latency NVMe drives, and high-powered GPUs boost performance

Ultra-high density, flexible expansion

In a highly compact space of 1U, EN6188 achieves the perfect fusion of performance, scalability and high density. Supports up to 205W CPU and full NVMe configuration, It can provide the most powerful computing power in a limited space. For more than 10 application acceleration, provides excellent expansion capability, supports up to 5 PCIE expansion slots, two of which Standard PCIE expansion slot. Excellent heat dissipation design, fine material selection, support stable operation in harsh environments, support stable operation at 0~45 degrees, and not be afraid of severe cold and heat.

Green energy saving, easy to manage

Support node management technology to achieve power capping and control energy consumption. Support high-voltage DC HVDC technology, high power conversion efficiency, energy saving and environmental protection, saving user power consumption support, provide energy surge utilization, optional550W/800W/1300W/1600W and other power modules of different specifications, optional 220v AC / 240v DC / 336v DC / - 48v DC input; onboard iBMC management module, support IPMI , SOL , KVM Over IP , virtual media and other management features, space-optimized servers with a height of 1U , occupy a small space, improve computing density and reduce user costs

Product Specifications:

Form	1U rack server
Processor	1 or 2 1st Generation Intel® Xeon® Scalable Processor, 3100/4100/5100/6100/8100 Series, TDP 205W; 1 or 2 2nd Generation Intel@Xeon@Scalable Processor, 3200/4200/5200/6200/8200 series, TDP 205W
Chipset	Intel C621
Memory	24 DDR4 DIMM slots for a total of 12 memory channels; Support 24ffIDDR4 RDIMMs/LRDIMMs/NVDIMMs, the highest speed is 2933MT/s; Support 12 Intel DCPMMs, the highest speed is 2666MT/s; Single capacity 8GB, 16GB, 32GB, 64GB, 128GB, 256G, 512G; Supports up to 9.0TB system memory (requires specific CPU model and Intel DCPMM)
Storage	Integrated 6Gb/s SATA controller, optional support for 12Gb/s SAS HBA, and 12Gb/s SAS RAID controller, support for various specifications of hard disk configuration, hard disk support hot swap: 4 3.5-inch SAS/SATA hard drives can be configured; Can be configured with 10 2.5-inch SAS/SATA/NVMe hard drives; Support built-in 1 PCIe M.2 (80/110mm), 2 SATA DOM
PCIe expansion	Up to 4 PCIExpress3.0 expansion slots (including 2 dedicated slots)
Network	Integrated 2x 1GbE, optional 2x 1GbE/4x 1GbE/2x 1OGbE/4x 1OGbE/2x25GbE/2x40GbE network daughter cards and various standard PCIe network cards
GPU	2 half-length single-width GPUs
Manage	The onboard BMC management module supports remote management and control, such as IPMI2.0, KVM Over IP, SOL, SNMP, etc. The original factory management software can deploy multiple hosts at the same time or make specific deployments according to the planned time, and can monitor the server CPU, memory The data center management platform realizes remote multi-function advanced management, and optional LCD management module;
Safety	Optional TPM/TCM security module, chassis open intrusion detection, lock the top cover of the chassis
power supply	1 or 2 power modules, support 1 + 1 redundancy, support hot swap, optional 220v AC/240v DC/336v DC/-48v DC input; Optional 550W/800W/1300W/1600W power
Port	Front: 1 D-SubVGA, 2 USB3.0, 1 LCD Mini USB Rear: 1 D-SubVGA, 2 USB3.0, 1 RJ45 management network port, 2 RJ45 Ethernet ports
System fan	7 -4056 system fans, N+1 redundant fans, support hot swap
Size	Rack type 1U, width 436mmx height 43.6mmx depth 808mm (excluding mounting ears 788mm)
Weight	The net weight of the full configuration is about 19KG, and the full configuration including the guide rail, accessories and packaging is about 28KG
Operating temperature	Standard operating temperature. 0°C to 45°C; Shipping Storage Temperature: -40° to 65°C
Working relative humidity	0% - 90%
OS support	Microsoft Windows Server, Microsoft Hyper-V Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, CentOS, Ubuntu, Fedora, Solaris, Oracle Linux, FreeBSD, VMware ESXi, Citrix XenServer

EN6188 V2 1U Two-socket Universal Server

4LFF

10SFF

ENANT EN6188 V2 is a 1 U two-socket rack server, using the latest generation Intel Xeon Scalable Processor (Ice Lake-SP), which achieves an efficient integration of performance, density and scalability. Based on innovative server hardware modular design concepts and technologies, it makes full use of storage and network resources, and can be flexibly configured according to business needs, achieving excellent cost performance and energy consumption ratios, and can be widely used in the Internet, cloud computing, communications and big data. For industrial applications that require high deployment density.

Extreme performance for critical application needs

- Supports Intel's third-generation Xeon Scalable processor, using 10nm process and Sunny Cove's new micro-architecture, with strong performance

- Support up to 3UPI interconnection, bus bandwidth up to 11.2GT/s

- Supports 8 channels of memory per CPU, supports up to 32 DDR4 memories, the memory frequency can reach up to 3200MHz, and the memory bandwidth is greatly improved

- PCIe 4.0, PCI e The number of lanes is increased by 33 % compared with the previous generation, which greatly improves the scalability of the system

Ultra-high density and flexible expansion

- Supports 2 processors in 1 U space, and a single CPU supports up to 40 computing cores

- Support 32 memory slots to meet the needs of large - capacity memory applications

- Support 4 3.5-inch or 10 2.5 - inch hard disks, optional support NVMe, to meet the diverse storage needs of customers

- Provide OCP NIC 3.0 expansion, optional expansion 4×1GbE / 2×10SFP+ / 4×10SFP+/ 2×25 SFP+ network configuration;

## Stable and reliable intelligent management

- The key components of the system are designed to be redundant and hot-swappable, and support tool-free disassembly and assembly, which improves the efficiency of fault maintenance and improves the availability of the system;

- Integrated intelligent management chip, provides an open management platform, supports IPMI2.0, Redfish, SNMP and other management protocols ;

■ Support various management functions such as remote KVM, virtual media, key component status monitoring, abnormal alarm, etc., realizing comprehensive remote system-level intelligent management

Product Specifications:

Form	1U rack server
Processor	Support 1/2 3rd generation Intel Xeon Scalable processor series (Ice lake-SP) , maximum power consumption 270W
Chipset	Intel C62 1A or C627A (C 627A supports Q AT function)
Memory	32 DDR4 memory slots, up to 3200MHz , supports up to 16 Intel Optane Persistent Memory 200 series
Memory type	RDIMM/LRDIMM/ Intel Optane DC Persistent Memory
Memory Capacity	Single capacity 8GB, 16GB, 32GB, 64GB, 128GB, 2 56GB, 5 12GB, maximum support 12 TB
Storage controller	Integrated 6Gb/s SATA controller; optional support for 12Gb/s SAS HBA and 12Gb/s SAS RAID card
Storage	Maximum support: Four 3.5-inch hard drives, support hot swap; 10 2.5 -inch hard drives, support hot swap; Supports 2x M.2 (2280 , PCI e 3.0 x 2); Optional support for 1 SD module (support dual Micro SD, support RAID1); Optional support up to 10 U.2N VM e SSD ,
PCIe expansion	Supports up to 2 PCI e 4.0 expansion slot (full height half length single width)
Network	Onboard 1x 1GbE RJ45 for IPMI , optional 4×1GbE / 2×10SFP+ / 4×10SFP+/ 2×25 SFP+/ 2×40SFP+ network daughter cards
Management	Optional LCD management module
Safety	Optional TPM/TCM security module
Power supply	Configurable 2 power modules, support 1+1 redundancy, support hot swap; Optional 220v AC/240v DC/336v DC/-48v DC input; Optional 550W/800W/1300W/1600W/2000W power
Port	Front: 1 VGA, 2 USB3.0, 1 LCD Mini USB; Rear: 1 VGA, 2 USB3.0, 1 RJ45 management network port, 1 COM , 1 standard OCP NIC 3.0 slot
Size	Rack-mount 1U, 4 36 mm wide × 43.6 mm high × 763 mm deep (including mounting ears 783 mm)
Operating temperature	Standard operating temperature. 0°C to 45°C; Shipping Storage Temperature: -40° to 65°C
Working relative humidity	0% - 90%
OS support	Microsoft Windows Server, Microsoft Hyper-V Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, CentOS, Ubuntu, Fedora, Solaris, Oracle Linux, FreeBSD, VMware ESXi, Citrix XenServer Please consult the sales staff for the specific version

EN6288 2U Two-socket Universal Server
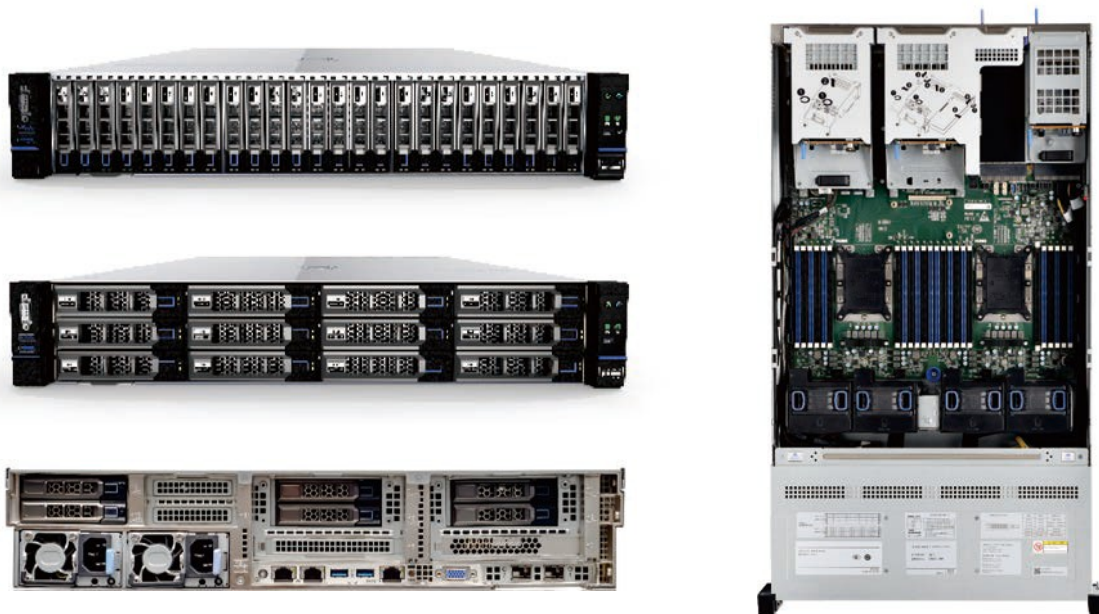
ENANT EN6288 is a two-socket universal rack server independently developed for the needs of the enterprise market. The whole machine adopts a modular design, which is conducive to heat dissipation. and maintenance, the product is stable and reliable. It can be used in a wide range of applications, such as big data analysis, virtualization, hyper-converged cloud computing, and small and medium-sized databases. It is especially suitable for military, telecommunications, government, Internet and other customers.

Overall performance improvement

The two-socket general-purpose server developed based on the Intel Purley platform supports the Intel Xeon Scalable series processors. The surface has been comprehensively improved, using DDR4 memory technology, supporting 9.0TB memory expansion capability, which can be expanded as needed to meet various applications.

Excellent high scalability

Standard 2U space, it supports a maximum of 31 2.5 - inch or 16 3.5 - inch + 2 2.5 - inch hot - swappable hard drives/ SSDs, providing users with massive data storage capabilities. At the same time, it also provides users with data protection support for SAS cards and RIAD cards; supports up to 11 PCI -E expansion slots to meet expansion needs;

Green energy saving, easy to manage

Support node management technology to achieve power capping and control energy consumption. Support high-voltage DC HVDC technology, high power conversion efficiency, energy saving and environmental protection, saving user power consumption support, provide energy surge utilization, optional 550W/800W/1300W/1600W and other power modules of different specifications, optional220v AC / 240v DC / 336v DC / - 48v DC input; onboard; iBMC management module, supports 1PM| , SOL , KVM Over IP , virtual media and other management features, space-optimized servers with a height of 2U , occupy a small space, improve computing density and reduce user costs.

Product Specifications:

Form	2U rack server
Processor	1 or 2 1st Gen Intel® Xeon@Scalable Processor, 3100/4100/5100/6100/8100 Series, TDP 205W; 1 or 2 2nd Generation Intel® Xeon® Scalable Processor, 3200/4200/5200/6200/8200 Series, TDP 205W
Chipset	Intel C621
Memory	24 DDR4 DIMM slots for a total of 12 memory channels; Support 24 DDR4 _ RDIMMs/LRDIMMs/NVDIMMs, the highest speed is 2933MT/s; Support 12 Intel Intel DCPMMs, the highest rate is 2666MT/s; A single capacity of 8GB, 16GB, 32GB, 64GB, 128GB , 256G , 512G; Dice supports 9.0TB system memory (requires specific CPU model and Intel DCPMM)
Storage	Integrated 6Gb/s SATA controller; optional support 12Gb/s SASH BA, and 12Gb/s SAS RAID controller, supports various specifications of hard disk configuration, Hard disk supports hot swap; Can be configured with 16 3.5 - inch + 2 2.5 - inch SAS/SATA/SSD hard drives can be configured with 31 2.5 - inch SAS/SATA/SSD hard drives, Configurable with 16 2.5 " NVMe SSD hard drive; Support built- in 1 PCIe M.2 (80/110mm) , 2 SATA DOM
PCIe expansion	Up to 10 PCI Express3.0
GPU	expansion slot 2 full-height full-length double-width GPUs
Network	Integrated two 1GbE , optional 2x 1GbE/4x 1GbE/2x 1OGbE/4x 1OGbE/2x25G bE/2x40GbE network daughter card and various standard PCIe network cards
Port	Front: Front 1 D - SubVGA , 2 USB3.0 , 1 LCDMiniUSB; Rear: 1 D - SubVGA , 2 USB3.0 , 1 RJ45 management network port, 2 RJ45 Ethernet ports,
Management	Onboard BMC management module, support remote management control, such as IPMl2.0, KVM Over IP, SOL, SNMP, etc.; The original factory management software can deploy multiple hosts at the same time or carry out specific deployment according to the planned time, and can monitor the utilization rate of resources such as server CPU and memory, batch log collection, etc.; The data center management platform realizes remote multi-functional advanced management, Optional LCD management module
Safety	Optional TPM/TCM security module, chassis open intrusion detection, lock the top cover of the chassis
Power supply	1 or 2 power modules, support 1+1 redundancy, support hot swap; Optional 220v AC; shortage / 240v DC / 336v DC / - 48v DC input Optional 5SOW /800W/1300W /1600W power
Fan	Four 8038 or 8056 system fans, N +1 redundant fans , support hot swap

Chassis size	Rack type 2U, width 447mm x height 87mm x depth 808mm (excluding mounting ears 788mm)
Weight	The net weight of the full configuration is about 32KG, and the full configuration including the guide rail, accessories and packaging is about 40KG
Operating temperature	Standard operating temperature. 0°C to 45°C; Shipping Storage Temperature: -40° to 65°C
Working relative humidity	0% - 90%
Supported operating systems	Microsoft Windows Server, Microsoft Hyper-V Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, CentOS, Ubuntu, Fedora, Solaris, Oracle Linux, FreeBSD, VMware ESXi , Citrix XenServer

EN 6288 V2 2U Two-socket Universal Server

8HDD

12HDD

25HDD

ENANT EN6288 V2 is a 2U two-socket rack server, which adopts the latest generation Intel Xeon scalable processor (Ice Lake-SP) , which achieves a comprehensive breakthrough in computing, storage, network and other performance. Based on innovative server hardware modular design concepts and technologies, it makes full use of storage and network resources, and can be flexibly configured according to business needs, achieving excellent cost performance and energy consumption ratios, and can be widely used in the Internet, cloud computing, databases and big data. and other applications.

Extreme performance for critical application needs

- Supports Intel's third-generation Xeon Scalable processor, using 10nm process and Sunny Cove's new micro-architecture, with strong performance

- Support up to 3UPI interconnection, bus bandwidth up to 11.2GT/s

- Supports 8 channels of memory per CPU, supports up to 32 DDR4 memories, the memory frequency can reach up to 3200MHz, and the memory bandwidth is greatly improved

- PCIe 4.0, PCI e The number of lanes is increased by 33 % compared with the previous generation, which greatly improves the scalability of the system

Flexible configuration as needed

- design of hardware modules realizes flexible configuration of computing, storage, and network to meet different business needs

- Up to 20 3.5-inch hard drives, or 39 2.5-inch hard drives;

- Supports up to 10 PCIe 4.0 expansion slots, and supports the expansion of up to 6 full-height, full- length , and single-width PCIe devices.

- Support OCP NIC 3.0 network expansion, optional expansion 4×1GbE / 2×10Gb SFP+ / 4×10Gb SFP+ / 2× 25Gb SFP28 network configuration;

Stable and reliable intelligent management

- The key components of the system are designed to be redundant and hot-swappable, and support

tool-free disassembly and assembly, which improves the efficiency of fault maintenance and improves the availability of the system;

■ Integrated intelligent management chip, provides an open management platform, supports IPMI2.0, Redfish, SNMP and other management protocols ;

■ It supports various management functions such as remote KVM, virtual media, key component status monitoring, abnormal alarm, etc., and realizes comprehensive remote system-level intelligent management.

Product Specifications:

Form	2U rack server
Processor	1/2 3rd Gen Intel® Xeon® scalable processor (Ice Lake) (8300/6300/5300/4300 series), up to 270W
Chipset	Intel C621A
Memory	32 DDR4 memory slots, a total of 16 channels, up to 3200MHz ; Supports up to 16 Intel® Optane™ Persistent memory 200 series, up to 3200MT/s
Memory type	RDIMM/LRDIMM/ Intel Optane DC Persistent Memory
Memory Capacity	Single capacity 8GB, 16GB, 32GB, 64GB, 128GB, 2 56GB, 5 12GB, maximum support 12 TB
Storage controller	Integrated 6Gb/s SATA controller; optional support for 12Gb/s SAS HBA and 12Gb/s SAS RAID controller
Storage	Front: Up to 12 3.5 " (optional 8 NVM e) or 25 2.5" hard drives; Rear: support up to 4 3.5 " + 4 2.5 " HDDs or 10 2.5 " HDDs; Built-in: supports 4 3.5 " hard drives (compatible with 2.5 "); Support 2 M.2 (2280 , PCI e 3.0 x 2) , optional support 1 SD module (support RAID1 dual Micro SD); Supports up to 24 U.2 N VM e SSDs
PCIe expansion	Supports up to 10 PCI e 4.0 expansion slot
GPU	Supports up to 3 double-width G PUs or 8 single-width G PUs
Network	1 1Gb RJ45 dedicated management network port, optional 4×1GbE / 2×10Gb SFP+ / 4×10Gb SFP+ / 2× 25Gb SFP28 OCP network card
Port	Front: 1 VGA, 2 USB3.0, 1 LCD Mini USB; Rear: 1 VGA, 2 USB3.0, 1 RJ45 management network port, 1 COM , 1 standard OCP NIC 3.0 slot
Management	Integrated BMC management chip, support IPMI2.0, Redfish, SOL, KVM, virtual media and other functions, Provide 1 1Gbps RJ45 dedicated management port, optional LCD management module
Safety	Optional TPM/TCM security module, chassis open intrusion detection, lock the top cover of the chassis
Power supply	Configurable 2 power modules, support 1+1 redundancy, support hot swap; Optional 220v AC/240v DC/336v DC/-48v DC input; Optional 550W/800W/1300W/1600W/2000W high-efficiency platinum power supply
Fan	4 hot-swappable fan modules, support 3 +1 redundancy, support intelligent speed regulation and abnormal alarm
Chassis size	Rack-mount 2U, 447 mm wide × 87 mm high × 763 mm deep (including mounting ears 783 mm)

Operating temperature	Standard operating temperature. 0°C to 45°C; Shipping Storage Temperature: -40° to 65°C
Working relative humidity	0% - 90%
Supported operating systems	Microsoft Windows Server, Microsoft Hyper-V Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, CentOS, Ubuntu, Fedora, Solaris, Oracle Linux, FreeBSD, VMware ESXi , Citrix XenServer

EG6588 4U GPU Server

The GPU server adopts new server design concepts and technologies, supports Intel's new Xeon Skylake- SP / Cascade Lake-SP/ Cascade Lake-SP Refresh processors, and has a qualitative leap in processor performance, bus bandwidth, memory bandwidth, etc, provides super specifications in terms of PCI e number, hard disk number, network expansion, etc., suitable for high-performance computing (HPC) and massively parallel computing environments. It can be widely used in face recognition, video analysis, meteorological research and analysis, big data analysis and other application scenarios.

Overall performance improvement

✧ Support 2 Intel® Skylake-SP/Cascade Lake-SP/ Cascade Lake-SP Refresh CPU, 2UPI bus, the highest speed reaches 10.4GT/s ;

✧ Support 24 DDR4 memory, up to 9.0TB memory capacity. It can be expanded as needed to meet a variety of different applications.

Excellent storage expansion capability

It can support up to 25 2.5 - inch hard disks, and optionally supports 4 U.2NVM eSSDs ; supports 2 M.2 SSDs; while providing users with massive data storage capabilities, it also provides users with SAS cards and RAID card data protection support (optional); meet the requirements of high-bandwidth transmission of big data, and meet applications such as large-capacity storage and high-performance storage .

Easy to use, Manage, and Maintain

Integrated server intelligent management chip, providing an open management platform, supporting IPMI2.0 , Redfish , SNMP and other management protocols . It supports various management functions such as remote KVM, virtual media, status monitoring of key components, and abnormal alarms. It realizes comprehensive remote system-level intelligent management, effectively improves energy efficiency, improves management level, and saves operation and maintenance costs.

NANT

Leading Design, Smart Choice, Superior Performance

Supports up to 10 double-width, full-height and full-length GPU accelerator cards ; a variety of different backplanes, using modular design, can choose different models as needed; support Balance/Common/Cascade three topology software one-click switching, flexible response Performance requirements of different application scenarios .

Super expansion performance

Supports up to 11 PCIe 3.0 standard expansion slots **;** provides highly available I/O expansion space, provides exclusive NIC MEZZ card expansion slots, adopts modular design , and can expand 2×1GbE as required / 4×1GbE / 2×10GbE / 4×10GbE / 2 × 25GbE / 2×40GbE network daughter card, powerful performance can easily meet the needs of business expansion.
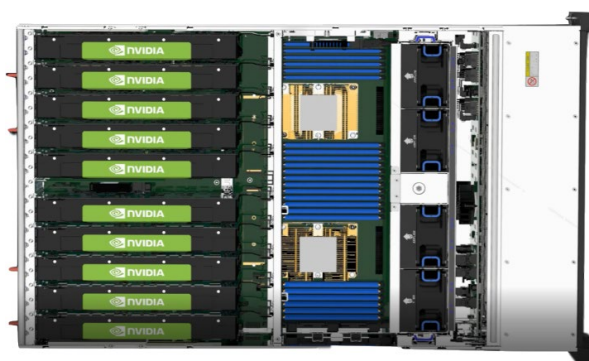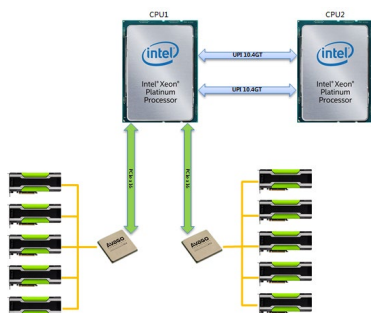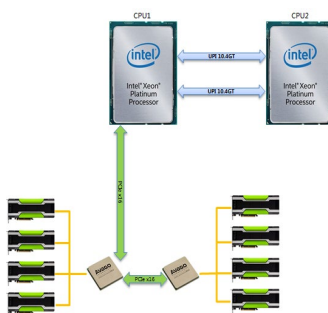
The general mode can meet the point-to-point communication between GPUs to a certain extent, and at the same time, ensure sufficient I/O bandwidth between the CPU and GPU;

Cascading mode is suitable for workloads of peer-to-peer com munication between GPUs , whi ch can effectively reduce the co mmunication delay between GP Us;

Balanced mode mainly emphasi zes higher communication betw een CPU and GPU , which can provide better I/O bandwidth b etween CPU and GPU;
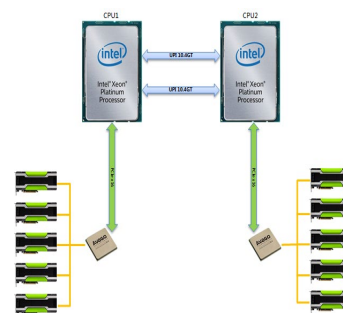
Product Specifications:

Processor	1 or 2 Intel Xeon Scalable Processor Series (Skylake -SP & Cascade Lake-SP/ Cascade Lake-SP Refresh) CPU, up to TDP 205W

Chipset	Intel Lewisburg C621
Memory	A total of 12 memory channels, 24 DDR4 DIMM slots
Memory type	DDR4 1866 /2133/2400/2666 / 2933MHz Support ECC RDIMM/LRDIMM/ Intel Optane DC Persistent Memory
Memory Capacity	Single capacity 8GB, 16GB, 32GB, 64GB, 128GB, 2 56GB, 5 12GB, maximum support 9TB
Storage controller	PCH/RSTe (NVMe) & SAS HBA/Raid card (SAS/SATA)
Storage	Supports up to 12 3.5 " SAS/SATA hard drives (optionally supports 4 U.2 NVMe); Supports up to 25 2.5 " SAS/SATA HDDs (optionally supports 4 U.2NVMe)
Internal storage	2 M.2 onboard (support PCIe/SATA adaptive recognition)
PCIe expansion	Supports up to 11 PCI e 3.0 standard expansion slots; supports up to 10 double-width full-height full-length GPU accelerator cards ;
GPU scaling mode	Support balance/cascade/universal three modes one-click switching, among which cascade mode only supports 8-speed GPU accelerator card
Network	Choose 2×1GbE/4×1GbE/2×10GbE/4×10GbE/2×25GbE/2×40GbE network daughter card
Management	Integrated BMC management chip, support IPMI2.0, Redfish, SOL, KVM, virtual media and other functions
Safety	Optional TPM/TCM security module
power supply	Supports up to 4 power modules, supports 2+2/3+1/2+1 and other redundant modes, supports hot swap Optional 220v AC/240v DC/336v DC/-48v DC input; optional 1300W/1600W/2000W power
Port	F-panel: 1 Mini-USB interface; 1 standard VGA; 2 standard USB 3.0; Rear I/O: 1 RJ45 IPMI management interface; 2 standard USB 3.0; 1 standard DB9/VGA;
Size	Rack type 4U, width 447mm × height 175mm × depth 748mm
Weight	The net weight of the full configuration is about 45.58KG, and the full configuration including the guide rail, accessories and packaging is about 52KG
Operating temperature	Standard operating temperature. 0°C to 45°C; Shipping Storage Temperature: -40° to 65°C
Working relative humidity	0% - 90%
OS support	Microsoft Windows Server, Microsoft Hyper-V Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, CentOS, Ubuntu, Fedora, Solaris, Oracle Linux, FreeBSD, VMware ESXi, Citrix XenServer;

EN6588 4U Storage Server

4U storage server adopts new design concepts and technologies, supports the new Intel Xeon scalable processors (Skylake & Cascade Lake), and has a qualitative leap in processor performance, bus bandwidth, memory bandwidth, etc., and supports PCIE It provides super specifications in terms of quantity, number of hard drives, network expansion, etc. It is suitable for key applications of high-end enterprises , such as: government, military, finance, education, Internet, banking, taxation, medical and other industries. While ensuring excellent computing performance, it provides flexible , Large-capacity local storage expansion capability, suitable for hot and cold data storage, video surveillance, cloud storage, big data and other application scenarios.

Overall performance improvement

Supports 2 Intel® Skylake-SP CPUs, supports up to 2UPI bus, the highest speed can reach 10.4GT /s , supports up to 24 DDR4 memory, can achieve up to 3.0TB memory capacity, can easily handle complex workloads, Suitable for database, ERP, virtualization and other application environments.

Excellent high scalability

Supports up to 11 PCIE3.0 expansion slots , provides highly available I/O expansion space , and provides dedicated NIC MEZZ card expansion slot, optional expansion 2 × 1GbE /4×1GbE / 2×10GbE / 4×10GbE / 2×40GbE network daughter card, powerful performance can easily meet the needs of business expansion.

Mass storage

It can support up to 44 3.5 - inch hard disks + 2∗ 2.5 - inch hard disks, support the latest 12G SAS technology, meet the requirements of high-bandwidth transmission of big data, and meet applications such as large -capacity storage and high-performance storage.

Easy to use, Manage, and Maintain

Embedded server intelligent management chip, support IPMI2.0 and Redfish management mode . Realize complete remote system monitoring, remote KVM, virtual media and other management functions. It is used for daily maintenance of data centers, which can help data centers effectively improve energy efficiency, improve management level, and save operation and maintenance costs.

Product Specifications:

Processor	1 or 2 Intel Xeon Scalable Processor Series (Skylake & Cascade Lake), up to TDP 205W
Chipset	Intel Lewisburg C621
Memory	12 memory channels total, 24 DDR4 DIMM slots
Memory type	DDR4 1866/2133/2400/2666MHz Support ECC RDIMM/LRDIMM/NVDIMM
Memory Capacity	Single capacity 8GB, 16GB, 32GB, 64GB, 128GB, maximum support 3.0TB
Storage controller	Integrated 6Gb/s SATA controller; optional support for 12Gb/s SAS HBA, and 12Gb/s SAS RAID controller
Storage	Front: Can be configured with 24 3.5 - inch SAS/SATA hard drives. Built-in: Optional 4 3.5 - inch SAS/SATA hard drives (compatible with 2.5 -inch). Rear: Can be configured with 16 3.5 - inch SAS/SATA hard drives + 2 2.5 - inch SAS/SATA hard drives or Can be configured with 12 3.5-inch SAS/SATA hard drives + 4 2.5-inch NVMe SSD hard drives + 2 2.5-inch hard drives SAS/SATA hard drives.
Internal storage	1 M.2 onboard, can be extended to 6 M.2 22110 NVME built-in device 2 SATA DOMs
PCI-E expansion	Supports up to 11 PCI Express 3.0 expansion slots
Network	Integrated 2 1GbE, optional 2×1GbE/4×1GbE/2×10GbE/4×10GbE/2×40GbE network daughter cards
Management	Data center management platform realizes remote multi-function advanced management, optional LCD management module
Safety	Optional TPM/TCM security module
Power supply	Supports up to 2 power modules, supports 1+1 redundancy, supports hot swap, optional 220v AC /240v DC /336v DC /-48v DC input , optional 800W/1300W power
Port	Front: 1 D-Sub VGA, 2 USB3.0, 1 LCD Mini USB Rear: 1 D-Sub VGA, 2 USB3.0, 1 RJ45 management network port, 2 RJ45 Ethernet ports
Size	Rack-mounted 4U, width 448mm × height 175mm × depth 778mm (excluding mounting ears 758mm)
Weight	The net weight of the full configuration is about 62KG, and the full configuration including the guide rail, accessories and packaging is about 89KG
Operating temperature	Standard operating temperature. 0°C to 45°C; Shipping Storage Temperature: -40° to 65°C
Working relative humidity	0% - 90%
OS support	Microsoft Windows Server, Microsoft Hyper-V Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server ,CentOS ,Ubuntu ,Fedora ,Solaris ,Oracle Linux ,FreeBSD ,VMware ESXi, Citrix XenServer

EM6288 2U Four-socket Server
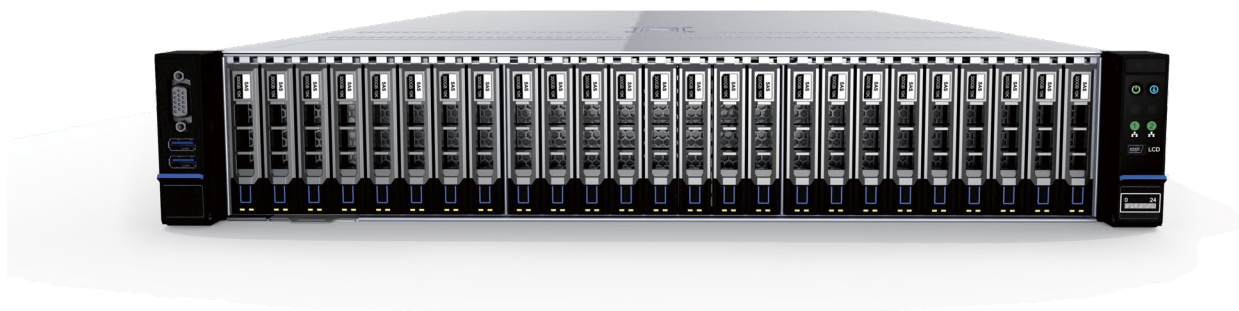
ENANT EM6288 is based on the latest server design concepts and technologies , using the new Intel Xeon Scalable processor (Skyl take & Cascade Lake) , has a qualitative leap in processor performance , bus bandwidth , memory bandwidth, etc. , and provides super specifications in terms of the number of supported PCI E , the number of hard disks , network expansion, etc. , suitable for high-end enterprise key applications , such as : database, ERP , high-performance parallel computing, virtualization and other application environments.

Overall performance improvement

Supports 4 Intel® Xeon scalable processors (Skylake & Cascade Lake) , supports up to 3UPI bus , and the highest speed can reach 10.4GT /s, realizing full interconnection (crossbar) between CPUs . Supports up to 48 DDR4 memory, which can achieve a memory capacity of up to 18.0TB. It can easily handle complex workloads and is suitable for database, ERP, high-performance parallel computing, virtualization and other application environments.

Powerful RAS properties

Multiple RAS features are supported to provide higher reliability, availability and serviceability.
Perfectly supports Intel chip-level St and ard RAS and Advanced RAS features, and provides power supply and fan redundancy functions, hot-replacement support for hard disks, power supplies, fans, PCI E expansion cards and other equipment, as well as tool-free disassembly and assembly of key components, etc. Design for ease of use.

Easy to use, Manage, and Maintain

2U height 4 -way product, the utilization rate of cabinet space is increased by one time. Tool-free maintenance solution. Embedded server intelligent management chip, support IPMI 2.0 and Red fish management mode. Realize complete remote system monitoring, remote KVM, virtual media and other management functions.

Product Specifications:

Processor	2/ 4 1st Gen Intel @ Xeon @ Scalable processors, 5100/ 6100/ 8100 series 2/ 4 2nd Gen Intel @ Xeon @ Scalable processors, 5200/ 6200/ 8200 series TDP 85 ~ 205W , fully interconnected with Cross bar
Chipset	Intel C621
Memory	48 DDR4 DIMM slots for a total of 24 memory channels, Support 48 DDR4 RDIMMs/ LRDI MM s/ NVDIMM s, high speed 2933 MT/s Support 24 Intel DCP MM s, the highest rate is 2666MT/s Single capacity 8GB, 16GB, 32GB, 64GB, 128GB, 256GB, 512GB, Supports up to 18.0TB system memory (requires specific CPU model and Intel DCPMM)
Storage	Integrated 6Gb/s SATA controller, optional support for 12Gb /s SAS HBA , and 12Gb/s SAS RAID controller, support for various specifications of hard disk configuration, hard disk support hot swap; Storage can be configured with 25 2.5 -inch hard drive Can be configured with 16 2.5 - inch NVMe hard drives (14 hot-plug + 2 non-hot-plug) Support built-in 2 PCIe M.2 , 2 SATA DOM, 1 Micro SD card
PCI-E expansion	Up to 10 PCIExpress 3.0 expansion slots Supports up to six 75W GPU cards (4 full height and full length + 2 half height and half length)
Network	Integration 2 x 1 GbE , Various standard PCIe network cards are optional
Management	Onboard BMC management module, support remote management control, such as I PMI2.0 , KVM Over IP , SOL , SNMP , etc. The original factory management software can host multiple hosts at the same time or make specific deployments according to the planned time, and can monitor the server CPU, memory and other resource utilization, batch log collection, etc.; The management data center management platform realizes remote multi-functional business-level management; Optional LCD management module.
Safety	Optional TPM/TCM security module, chassis open intrusion detection, locked chassis cover
Power supply	2 power modules, support 1+1 redundancy, support hot swap Optional 220v _ AC / 240 v DC / 336 v DC / -48v DC input optional 800W / 1300W /1600W power
Port	Front: 1 D-Sub VGA, 2 USB3.0, 1 LCD Mini USB Rear: 1 D-Sub VGA, 4 USB3.0, 1 RJ45 management network port, 2 RJ45 Ethernet ports
Fan	Four 8038 system fans, N+1 redundant fans, support hot swap
Size	Rack type 2U, width 447mm x height 87mm x depth 795mm (excluding mounting ears 775mm)
Weight	The net weight of the full configuration is about 21KG, and the full configuration including the guide rail, accessories and packaging is about 43KG
Operating temperature	Standard operating temperature. 0°C to 45°C; Shipping Storage Temperature: -40° to 65°C
Working relative humidity	0% - 90%
OS support	Microsoft Windows Server, Microsoft Hyper-V Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server , CentOS ,Ubuntu ,Fedora ,Solaris ,Oracle Linux ,FreeBSD , VMware ESXi, Citrix XenServer

EM6588 4U Four-socket Server

ENANT EM6588 four-socket server, based on the latest server design concepts and technologies, adopts the new Intel Xeon scalable processor (Skylake & Cascade Lake) , which has a qualitative leap in processor performance, bus bandwidth, memory bandwidth, etc. , and provides super specifications in terms of supported PCIE number, hard disk number, network expansion, etc., suitable for high-end enterprise key applications, such as database, ERP, high-performance parallel computing, virtualization and other application environments.

Overall performance improvement

Supports 4 Intel® Xeon Scalable processors (Skylake & Cascade Lake), supports up to 3UPI bus, the highest speed can reach 10.4GT/s, and realizes full interconnection (crossbar) between CPUs. Supports up to 48 DDR4 memories, which can achieve a memory capacity of up to 18.0TB. It can easily handle complex workloads and is suitable for database, ERP, high-performance parallel computing, virtualization and other application environments.

Powerful RAS properties

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 also provides power supply and fan redundancy functions, hot-swap support for hard disks, power 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 .

Excellent high scalability

Supports up to 24 3.5-inch hard drives, or 50 2.5-inch hard drives; and supports built-in 2 M.2 SSDs, 2 SATA DOMs; provides exclusive NIC MEZZ card expansion slots, optional expansion 2×1GbE / 4×1GbE / 2 × 10GbE / 4 × 10GbE / 2 × 40GbE network daughter cards; up to 15 PCIE3.0 expansion slots, supporting up to 8 full-height full-length and 7 full-height half-length PCI E devices, supporting 4 full-height full-length Long dual-slot GPU accelerator card.

Easy to Use, Manage, and Maintain

Embedded server intelligent management chip, support IPMI2.0 and Redfish management mode. Realize complete remote system monitoring, remote KVM, virtual media and other management functions. It is used for daily maintenance of data centers, which can help data centers effectively improve energy efficiency, improve management level, and save operation and maintenance costs.

Product Specifications:

Processor	4x Intel Xeon Scalable processor series (Skylake & Cascade Lake) , fully interconnected with Cross bar
Chipset	Intel Lewisburg C621
Memory	A total of 24 memory channels, 48 DDR4 DIMM slots
Memory type	DDR4 1866 /2133/2400/2666 / 2933MHz；Support ECC RDIMM/LRDIMM/ Intel Optane DC Persistent Memory
Memory Capacity	Single capacity 8GB, 16GB, 32GB, 64GB, 128GB, 2 56GB, 5 12GB, maximum support 18.0TB
Storage controller	Integrated 6Gb/s SATA controller; optional support for 12Gb/s SAS HBA, and 12Gb/s SAS RAID controller
Storage	Maximum support:24 3.5-inch hard drives, all support hot swap Or 50 2.5-inch hard drives, all support hot swap Or 16 2.5-inch NVMe SSDs, support hot-plug (14 hot- plug + 2 non -hot-plug); Support 2 M.2, 2 SATA DOM, 1 Micro SD card
PCI-E expansion	Supports up to 15 PCI Express 3.0 expansion slots (including one dedicated network slot)
GPU	Supports up to 4 full-height full-length double-width GPUs
Network	Integrated 2 1GbE, optional 2×1GbE/4×1GbE/2×10GbE/4×10GbE/2×40GbE network daughter cards
Manage	Optional LCD management module
Safety	Optional TPM/TCM security module
Power supply	Support up to 4 power modules, support 1+1; 2+1; 2+2; 3+1 redundancy, support hot swap Optional 220v AC/240v DC/336v DC/-48v DC input； Optional 800W/1300W/1600W power
Port	Front: 1 D-Sub VGA, 2 USB3.0, 1 LCD Mini USB； Rear: 1 D-Sub VGA, 4 USB3.0, 1 RJ45 management network port, 2 RJ45 Ethernet ports
Size	Rack type 4U, width 448mm × height 175mm × depth 840mm (excluding mounting ears 820mm)
Weight	The net weight of the full configuration is about 45KG, and the full configuration including the guide rail, accessories and packaging is about 70KG
Operating temperature	Standard operating temperature. 0°C to 45°C; Shipping Storage Temperature: -40° to 65°C
Working relative humidity	0% - 90%
OS support	Microsoft Windows Server, Microsoft Hyper-V Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, CentOS, Ubuntu, Fedora, Solaris, Oracle Linux, FreeBSD, VMware ESXi, Citrix XenServer