RS8260 RACK SERVER

HIGH CONFIGURATION AND WIDE RANGE OF APPLICATIONGS

The server can be easily reconfigured for multiple Enterprise and Data Center applications in Virtualization, Big Data, Analytics and Cloud Computing.

Overview

The RS8260 is a high-density 2U 4-way server developed based on the Intel Purley platform, with outstanding high performance, high reliability, and easy expansion. The RS8260 supports the latest Intel® Xeon® Processor Scalable Family and supports CPUs up to 205W power. RS8260 can provide more efficient computing performance, the maximum supported memory is up to 6TB, it supports 24 hot-swappable hard disks, and it supports up to 11 PCIE standard expansion slots in terms of IO expansion, and can support 2 double-width GPU computing cards at the same time.

The FS RS8260 is a business-critical workload, virtualization, hyper-converged, database, business business processing, and data-intensive data center applications with stringent space and performance requirements.

Benefits

- 4x 2nd Gen Intel® Xeon® Gold 5218 Processors
- Intel® C621 series chipset
- 48 DIMM Slots-Up to 6TB of 2666MHz ECC DDR4 RDIMM
- 24x 2.5'' SAS/SATA/SSD hot-swappable hard drives
- Easily Expand with up to 11 PCIe 3.0 Slots
- Support RAID 0, 1, 5, 6, 10, 50, 60, JBOD

Core Advantages

Brand new processor architecture

- The RS8260 supports 4 new Intel scalable processors. Compared with the previous generation processor, the core can be increased by up to 233%, the memory support capacity can be up to 400% of the whole machine, and the performance can be improved by up to 76%, supporting virtualized device input/output.

High Density and High Scalability

- The RS8260 design is only 2U high, but it can support up to 6TB of memory and 112 processing cores. In addition, 24 hard disks and 11 PCIE 3.0 standard expansion slots can provide flexible expansion capabilities for customers' various businesses. Therefore, RS8260 can be widely used in various applications, whether it is database, virtualization, or server consolidation projects, it is the best choice. At the same time, the excellent performance and flexible scalability of RS8260 also fully meet the needs of future business loads of enterprises.

Super BMC Monitoring and Management Functions

- Integrated BMC management helps customers grasp the system running status in real time, supports per-alarm, fault recovery functions; allows access, installation, configuration and control of remote servers from any location through the network; hardware-level access and control, independent of the operating system, provides complete It includes fault type, detailed fault description, and location of faulty components; remote management functions such as remote upgrade of BIOS and BMC FW; support for virtual media, remote power on and off, and remote KVM functions.

Solid Reliability

- Relying on industry standards, RS8260 integrates reliability and security into the system, and provides more reliability designs on the processor, including SDDC/ADDDC, memory mirroring, memory hot backup and other memory-level RAS features, and supports Intel® Run Sure Technology, as well as power supplies, and fans are hot-swappable and redundant, providing a solid and reliable operation foundation for users' various applications. At the same time, RS8260 supports TPM2.0, which can prevent unauthorized intrusion and ensure user system security.

Product Parameters

Features	Technical Specification
Form	2U rack server
Number of Processors	4
Processor model	Intel® Xeon® Processor Scalable Family Platinum 8100 Series and Gold 6100/5100 Series, up to 205W.
RAM	48 slots, maximum support 6TB capacity, maximum frequency 2666 MHz, support Apache Pass (AEP) DIMMs
Hard Disk	24 2.5-inch SAS/SATA/SSD hard drives can support 4 NVMe SSD hard drives
Onboard Storage Controller	Intel® C621, supports 12 SATA3 (6 Gbps) ports; RAID 0, 1, 5, 6, 10, 50, 60, JBOD At the same time, it supports Intel VROC, which can realize NVMe raid control.
Onboard Network	Support 4 Gigabit Ethernet ports
PCIE Extension	Supports up to 11 PCIE 3.0 slots, including 5 PCIE3.0 x8 and 6 PCIE3.0 x16, select CPU below 165W, can support 2 active cooling GPU cards
Other Ports	Rear: 1 VGA port, 1 serial port, 2 USB 3.0, 4 Gigabit Ethernet ports, 1 Gigabit IPMI2.0 management network port Built-in: 1 TPM2.0 port, 1 VROC Key port, 1 USB3.0 port, 2 SATA DOM ports, 3 x4 mini SATA ports (support 12 SATA ports)
Fan	4x 8cm hot-swappable redundant fans
Power Supply	Standard 2x 1600W titanium-grade hot-swappable redundant power supplies, support 1+1 redundancy
Manage	Onboard Aspeed AST2500 management module, support IPMI2.0, Intel® Node Manager, NMI, SMCBU, SMM, watchdog
Security Module	Support TPM2.0
Display Controller	Integrated AST2500 display controller
Supported Operating Systems	Windows Server 2012Enterprise Edition SP2 Red Hat* Enterprise Advanced Server 6.0 SuSE Linux Enterprise Server 11
Powered by	110V/220V AC
Dimensions (HxWxD)	3.5'' x 17.2'' x 30.7'' (89 x 437 x 780mm)

Environmental Specifications	
Ambient Temperature	Operating 10°C to 35°C (50°F~95°F) Non-operating -40°C to 70°C (-40°F - 158°F) ambient
Relative Humidity	Operating: 8% to 90%, non-condensing Non-operating: 5% to 95%, non-condensing
Static Electricity	15KV per Intel ambient temperature test specification