

DCS-R22I2

Support Intel Xeon Scalable 2nd Generation processors



Image for illustration purposes only

Performance improvement

The dual-socket general-purpose server developed based on the Intel Purley platform supports Intel Xeon Scalable series processors (Skylake/Cascade Lake/Cascade Lake Refresh). The performance of the core, frequency, cache, and interconnection channels has been comprehensively improved. DDR4 memory technology is adopted to support 9.0TB memory expansion capability, which can be expanded as needed to meet various application requirements.

Excellent high scalability

In a standard 2U space, it supports a maximum of 31 pieces of 2.5" or 16 pieces of 3.5" + 2 pieces of 2.5" hot-swap drives. While providing users with massive data storage capabilities, it also provides users with SAS cards and RAID cards Data protection support; in addition, it can support up to 11 PCIe expansion slots to meet expansion needs.

Environmental friendly and energy-saving, easy to manage

Support node management technology to realize power capping and control energy consumption. Adopt 80PLUS platinum-level high-efficiency power supply, support high-voltage direct current HVDC technology, high power conversion efficiency, energy saving and environmental protection, save user electricity expenses, improve energy utilization rate, optional 550W/800W/1300W/1600W and other power modules of different specifications, optional 220V AC /240V DC/336V DC/-48V DC input.

The motherboard integrates the BMC management module, supports IPMI, SOL, KVM Over IP, virtual media and other management features, and realizes local and remote multi-functional advanced management.

DCS-R22I2 is a 2U dual-socket universal rack server independently developed for a wide range of applications aimed at the needs of the enterprise market. The DCS-R22I2 adopts a modular design, which is convenient for expansion and maintenance. It has the advantages of low energy consumption, strong expansion capability, high reliability, easy management, and easy deployment. With DCS2I2-2R, you can deploy a single platform to address various enterprise workloads:

- Virtualization
- Big Data
- Storage-centric applications
- Data Warehousing/Analytics
- Customer Relationship Management (CRM)
- Enterprise Resource Planning (ERP)
- Virtual Desktop Infrastructure (VDI)
- High-performance computing and deep learning

DCS-R22I2**Specifications**

| | |
|----------------|---|
| CPU | Up to 2 2nd Gen Intel® Xeon® Scalable Processors, up to 205W |
| Memory | 24 DDR4 DIMM slots 2933/2666/2400/2133MHz ECC DDR4 RDIMM/LRDIMM with ECC Single capacity 8GB, 16GB, 32GB, 64GB, 128GB, 256GB, 512GB Up to 9.0TB system memory (needs to be paired with a specific CPU model and Intel DCPMM) |
| Controller | Onboard integrated 6Gb/s SATA controller, supports RAID 0/1/10/5 Optional 12Gb/s SAS HBA card and SAS RAID card based on standard PCIe slot |
| Storage | 16 Hot-swap 3.5" + 2 rear Hot-swap 2.5" drives 31 Hot-swap 2.5" drives 16 Hot-swap 2.5" NVMe drives 1 PCIe3.0 X4 M.2 SSD slot (80/110mm) and 2 SATA DOM ports |
| PCIe slots | Up to 10 PCIe3.0 expansion slots (2 dedicated PCIe slots) |
| GPU | Up to 2 FHFLDW GPU cards |
| Network | 1*1GbE management port 2*1GbE ports Optional 2x1GbE/4x1GbE/2x10GbE/4x10GbE/2x25GbE network Mezzanine Card |
| Management | Onboard BMC management module, support remote management control, such as IPMI2.0, KVM Over IP, SOL, SNMP optional LCD management module |
| Security | Support lockable cover, TPM/TCM security module |
| Ports | Front 1*D-SubVGA, 2*USB3.0, 1*LCD MiniUSB Rear 1*D-SubVGA, 2*USB3.0, 1*RJ45 management port, 2*RJ45 Ethernet ports |
| System Cooling | 4*8038 or 8056 N+1 redundant fans, support hot swap |
| Power Supply | 2x hot swap/redundant: 550W/800W/1300W/1600W 80 PLUS Platinum; Optional 240V DC/336V DC/-48V DC 80 PLUS Platinum |
| Temperature | Standard working temperature: 5°C to 35°C (without direct sunlight) Extended operating temperature: 5°C to 40°C (limited configurations are met) Transport storage temperature: -40°C to 65°C |
| Dimensions | 2U rackmount chassis, width 447mm x height 87mm x depth 808mm (excluding panel 788mm) |
| BIOS | BIOS in Flash Memory non-volatile and electrically reprogrammable memory, with UEFI technology. It complies with S.M.A.R.T and NIST SP800-147B standards. The BIOS includes server-related information such as the equipment's serial number and have editable fields for custom information input, like identification (Asset Tag) |
| Graphic -VGA | Aspeed AST2500 support 1920X1200@60Hz. https://www.aspeedtech.com/server_Aspeed/ |