

DCS-R24I2

Support 4th Gen Intel® Xeon® Scalable Processors



Powerful performance, ultra-high storage

Supports 4th Gen Intel® Xeon® Scalable Processors (Eagle Stream), adopt a new micro-architecture core with strong computing performance.

- Supports 32x DDR5 memories with a maximum frequency of 4800MHz. 50% increase in memory bandwidth compared with the previous generation.
- Supports PCIe 5.0, the scalability of the system has been greatly improved.

Flexible configuration

- The decoupling design of hardware module, the flexible configuration of computing, storage and network to meet different business requirements.
- Flexible selection of 3.5" or 2.5" drives, up to 24 U.2NVMe
- Supports maximum 10 standard PCIe slots. Supports maximum 6 standard PCIe 5.0 slots
- Supports 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 adopt redundant and hot-swappable design, and support tool-free disassembly and assembly to improve the efficiency of maintenance and improve the availability of the system
- Integrated intelligent management chip, providing an open management platform, supporting IPMI2.0, Redfish, SNMP and other management protocols;
- Supports various management functions such as KVM, virtual media, key component status monitoring, abnormal alarm, and realizes comprehensive remote system-level intelligent management.

DCS-R24I2 is a high-end general-purpose server with a wide range of uses. Based on Intel's latest Eagle Stream platform, it has achieved a comprehensive breakthrough in computing, storage and network. Adopting modular design mode, it supports rich specification selection and strong expansion ability. DCS-R24I2 can be widely used in cloud computing, virtualization, database, big data, artificial intelligence and other applications.

- Virtualization:
- Big Data :
- Storage-centric applications :
- Customer Relationship Management (CRM) :
- Enterprise Resource Planning (ERP) :
- Virtual Desktop Infrastructure (VDI) :
- Data warehouse/analysis
- High performance computing and deep learning
- Cloud games and video processing



25 x 2.5" Hot-swap drive bays

DCS-R24I2

Specifications

CPU	Up to two 4th Gen Intel® Xeon® Scalable Processors, TDP up to 350W Red Hat certified with Bronze, Silver, Gold (up to 20 cores), and Platinum 8444H CPUs.
Chipset	Intel®C741A
DIMM	32x DDR5 DIMM slots, 16 memory channels Support 32x DDR5 RDIMMs with a maximum frequency of 4800MHz with ECC Support 16x Intel OPTANE™ memory 300 series Single capacity 8GB, 16GB, 32GB, 64GB, 128GB, 256GB, 512GB Up to 12.0TB system memory
Controller	Onboard integrated 6Gb/s SATA controller, supports RAID 0/1/10/5 Optional standard PCIe 12Gb/s SAS HBA card and SAS RAID card
Storage	Front : Up to 12x 3.5" drives (Optional for 8 NVME) or 25x2.5" drives Rear : Up to 4x 3.5" drives+2x 2.5" drives or 4x 2.5" drives Internal : Support 2x M.2(2280/22110mm, PCIe4.0 x4) Up to 24x U.2 NVME SSD
PCIe slots	Up to 10x PCIe slots
GPU	Up to 3x FHFLDW GPUs or 6x FHFLSW GPUs
Network	1x 1GbE IPMI management network port 1x OCP3.0 NIC MEZZ card, support NC-SI Optional 4x 1GbE/4x 1GbE/2x 10GbE/2x 25GbE OCP3.0 x8 MEZZ card and PCIe network card
Management	Onboard BMC management module, support IPMI2.0, Redfish, KVM Over IP, SOL, Virtual Media 1x 1Gbps RJ45 dedicated management port Optional LCD management module
Security	Support lockable cover, TPM/TCM security module
I/O Ports	Front: 1xD-SubVGA, 2xUSB3.0, 1xLCD MiniUSB Rear: 1xD-SubVGA, 2xUSB3.0, 1xRJ45 management port, 1xRS232 COM
System Cooling	4 redundant hot-swap fans, support intelligent speed regulation and abnormal alarm
Power Supply	1 or 2 hot-swap/redundant: 800W/1300W/1600W/2000W PLUS Platinum; Optional 220V AC/240V DC/336V DC/-48V DC 80 PLUS Platinum
Environment	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 783mm (excluding panel 763mm)
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/
Certifications	Windows Server 2016, 2019 and 2022. Red Hat Enterprise Linux 8.x with CPUS: Bronze, Silver, Gold (up to 20 cores) and Platinum 8444H.