DCS-R13I2

Support 3rd Gen Intel® Xeon® Scalable Processors

Max performance, high capacity

Supports two 3rd Gen Intel® Xeon® Scalable Processors (ICE LAKE). Supports 32 DDR4 memories up to 12.0TB system memory (needs to be paired with a specific CPU model and Intel DCPMM).Supports 4x3.5-inch or 10x2.5-inch drives up to 10 NVME U.2 SSD.

Safe and reliable, excellent high scalability

Excellent heat dissipation design and fine material selection support stable operation in harsh environment, and stable operation at 5~35 degrees. It is available in severe cold and heat. Leading the industry in scalability. Up to 4 PCIe4.0 expansion slots (2 dedicated PCIe slots , 1 SAS card slot, 1 network mezz slot)

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.

Too-less Maintenance

The entire system supports tool-less maintenance, enabling easy tasks like case access and installation/removal of components (hard drives, optical drives, PCI expansion cards, fans, and PSUs) without requiring additional tools.

DCS-R13I2 is a 1U dual-processor rack-mounted server independently developed on the Intel Whitley platform. Flexible configuration and multi-module design ideas can be widely used in cloud computing, virtualization, database, big data, artificial intelligence and other applications. Integrated BMC remote management function and power capping technology can effectively reduce operating costs and improve return on investment.

- Virtualization
- Big Data
- Customer Relationship Management (CRM)
- Enterprise Resource Planning (ERP)
- Virtual Desktop Infrastructure (VDI)

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Specifications

CPU	Dual 3rd Gen Intel® Xeon® Scalable Processors (4300/5300/6300/8300), TDP up to 270W
Chipset	Intel® C621A
DIMM	32 DDR4 DIMM slots, 16 memory channels Support 32 DDR4 RDIMMs/LRDIMMs with a maximum rate of 3200MHz with ECC Support 16 Intel DCPMMS with a maximum rate of 2666MHz. Single capacity 8GB, 16GB, 32GB, 64GB, 128GB, 256GB, 512GB Up to 12.0TB 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	Up to 4x3.5'' SAS/SATA drives Up to 10x2.5'' SAS/SATA drives Up to 10x NVME U.2 SSD 2xM.2 SSD (2280, PCIe3.0 x2), 1x SD module
PCIe slots	Up to 4x PCIe4.0 slots (2x PCIex16 slot, 1x SAS MEZZ slot, 1x NIC MEZZ slot)
Network	1x1GbE IPMI management network port 1x OCP3.0 NIC MEZZ card, support NC-SI Optional 2x1GbE/4x1GbE/2x10GbE/4x10GbE/2x25GbE MEZZ card and standard PCIe network card
Management	Onboard BMC management module, support IPMI2.0, Redfish, KVM Over IP , SOL, Virtual Media Optional LCD management module
Security	Support lockable cover, TPM/TCM security module. Optional TPM 2.0/TCM security module, compliant with FIPS 140-2. Firmware with encrypted signature according to NIST SP800-147B specifications
I/O Ports	Front: 1xD-SubVGA, 2xUSB3.0, 1xLCD MiniUSB Rear: 1xD-SubVGA, 2xUSB3.0, 1xRJ45 management port, 1xCOM, 1xOCP3.0
System Cooling	4x8038 N+1 redundant fans, support hot swap
Power Supply	1 or 2 hot swap/redundant: 500W/800W/1300W/1600W 80 PLUS Platinum. Optional 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	1U rackmount chassis, width 436mm x height 43.6mm x depth 763mm (excluding panel 783mm)
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_ast2500/