

Rely on this compact and optimized 2U server to deliver the compute, memory and storage you need for advanced analytics, artificial intelligence and deep learning applications.



DATA SHEET

Hitachi Advanced Server DS225

Choose Hitachi Advanced Server DS225 (see Figure 1) to ensure you have the flexibility and performance you need to support your business-critical enterprise applications.

Capacity and Performance

Hitachi Advanced Server DS225 delivers unparalleled compute density and efficiency to meet the needs of your most demanding high-performance applications in the data center. DS225 takes full advantage of the ground-breaking Intel Xeon Scalable Processor family to make these capabilities possible (see Table 1). By combining the Intel processors with up to four dual-width 300W graphic accelerator cards and up to 3TB memory capacity in a 2U rack space package, this server stands ready to address the most challenging demands on today's IT infrastructure.

GPU and I/O Expansion

Optimize throughput, capacity and I/O performance of the DS225 to support a wide range of enterprise applications. Up to four dual-width 300W graphics processing unit (GPU) cards, along with additional PCIe 3.0 expansion slots, allow the DS225 server to be flexibly configured.



Figure 1. Hitachi Advanced Server DS225

Flexible, High-Capacity Storage

Front-side accessible storage bays in DS225 support up to eight hot-pluggable, serial-attached SCSI (SAS), or serial-ATA (SATA) devices. These bays also support flexible configuration, which allows the server to deliver both high I/O performance and high capacity.

Enterprise-Class Features

The DS225 server provides the reliability, availability and serviceability (RAS) features demanded by your business-critical enterprise applications. The server's modular design simplifies cable routing and reduces service time. Redundant, hot-swap drives and power supplies provide a resilient architecture for important applications, and dual-rotor hot-swap fans help ensure continuous operation.

Embedded Server Management

Manage DS225 remotely and independently via an integrated baseboard management controller. A dedicated interface facilitates secure remote access through a LAN connection and provides a powerful, easy-to-use Web console interface for remote initialization, management and configuration.

Next Steps

To learn how you can speed enterprise deployment and simplify operations with our converged systems, including Hitachi Unified Compute Platform, visit our web page or contact your Hitachi Vantara representative.

TABLE 1. HITACHI ADVANCED SERVER DS255: SPECIFICATIONS

Processor	Processor type: Intel Xeon Scalable Processor Max. thermal design power (TDP) support: 205W Number of processors: 2 Internal interconnect: 9.6 or 10.4 gigatransfers per second (GT/s)
Form Factor	2U
Dimensions	W x H x D (inch): 17.3 x 3.4 x 31.4 W x H x D (mm): 440 x 87.5 x 797.9
Chipset	Intel C624
Internal Storage	Front storage: (12) 3.5" or 2.5" hot-plug SATA or SAS
Memory	Total Slots: 24 Capacity: up to 3TB (128G x 24) of memory for RDIMM or LRDIMM Memory type: 2933 MHz, 2666 MHz DDR4 RDIMM Memory size: 128GB, 64GB, 32GB RDIMM
Expansion Slot	4 PCIe Gen3 x 16 GPU slot 2 PCIe Gen3 x 8 LP MD-2 or 1 PCIe Gen3 x 16 LP-MD2
Network Controller	LAN on motherboard (LOM): Dedicated 1 gigabit Ethernet (GbE) management port Optional network interface card (NIC): Intel X527-DA2 10G SFP+ dual-port OCP PHY mezzanine, Intel X557-T4 10GBASE-T quad-port OCP PHY mezzanine
Front I/O	2 USB 3.0 ports Power, ID and reset buttons Power, ID and status LEDs 1 video graphics adapter (VGA) port
Storage Controller (onboard)	Intel C624 14 x SATA 6Gb/s ports SATA RAID-0, RAID-1, RAID-1+0
Power Supply	1+1 high-efficiency, redundant hot-plug 80 Plus Platinum 2200W power supply unit (PSU)
Fan	6 dual-rotor fans (1+1 redundant)
Video	Integrated ASPEED AST2500 8MB DDR4 video memory
System Management	Baseboard management controller IPMI v2.0 compliant, onboard "KVM over IP" support
Rear I/O	2 USB 3.0 ports 1 VGA port 1 RS232 serial port 1 GbE RJ45 management port 1 ID LED 1 MicroSD slot
Operating Environment	Operating temperature: 5 to 35°C Nonoperating temperature: -40°C to 70°C Operating relative humidity: 20% to 85% Nonoperating relative humidity: 10% to 95%
Security	Trusted Platform Module 2.0, UEFI Secure Boot, Cryptographic Signed BIOS and BMC Firmware
Weight (Max. Configuration)	35KG

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