Lenovo ThinkSystem HR330A

Memory-optimized, efficient 1U rack server

Powerful and Affordable

The 1U Lenovo ThinkSystem HR330A rack server is an excellent fit for big data, web servers, and infrastructure scale-out. It is designed for rack environments that require peak memory, flexible storage, outstanding value, and intuitive management.

It can offer tremendous total cost of ownership (TCO) value with the best performance per dollar and best performance per watt to customers using high volume servers, and for customers using servers for edge, storage, and web server applications.

Flexible to Grow with Your Business

ThinkSystem HR330A incorporates the powerful Ampere eMAG processor, with 32 cores and 8 channels/16DIMM per socket. The unique Lenovo AnyBay technology provides the flexibility to mix-and-match SAS/SATA SSDs and NVMe SSDs in the same drive bays.

Two direct-connect NVMe ports on the motherboard provide ultra-fast read/writes with NVMe drives and reduce costs by eliminating PCIe switch adapters.

Plus, storage can be tiered for greater application performance, to provide the most cost-effective solution. Optional 2x on-board M.2 drives ensure reliability and quick OS initialization. HR330A also supports 1x on-board NVMe (M.2) and features 80 PLUS Platinum PSUs, to reduce energy costs.

Why Lenovo

Lenovo is a leading provider of systems for the data center. The portfolio includes rack, tower, blade, dense, and hyperconverged systems, and provides enterprise class performance, reliability, and security. Lenovo also offers a full range of networking, storage, software, and solutions, as well as comprehensive services that support business needs throughout the IT lifecycle.

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Specifications

Form Factor/Height	1U rack server
Number of Processors	1x Ampere eMAG CPU, 32x ARMv8 64-bit CPU cores at 3.3 GHz with Turbo
Memory	Up to 512GB in 16x slots, using 32GB DIMMs; 2400MHz DDR4 RDIMM
Expansion Slots	Up to 3x PCIe Gen3, via 2x riser card
Drive Bays	Up to 4 bays. SFF: 4x Hot-swap SATA SSDs or 2x Hot-swap SATA SSDs and 2x Easy-swap NVMe, 2x on-board M.2 SATA SSDs and 1x on-board M.2 NVMe
Security and Availability Features	Hot-swap drives; Hot-swap/redundant PSUs; Hot-swap/redundant Fans; Front-access diagnostics
Network Interface	1x RJ45 for 1G Management NIC (Standard)
Power	2x Hot-swap/redundant: 550W 80 PLUS Platinum
Systems Management	IPMI2.0, iKVM
Operating Systems Supported	CentOS 7.5 and 7.6, RHEL 7.6, Oracle 7.5 and 7.6, and Ubuntu 18.04
Limited Warranty	1-year or 3-year base warranty

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