

Lenovo ThinkSystem SR630 V3 7D73(7D73A03VEA)

Lenovo ThinkSystem SR630 V3 7D73 - Server - rack-mountable 1U - 2-way - 1 x Xeon Silver 4510 / up to 4.1 GHz - RAM 32 GB - SAS - hot-swap 2.5" bay(s) - no HDD - AST2600 - no OS - monitor: none



The Lenovo ThinkSystem SR630 V3 is an ideal 2-socket 1U rack server for small businesses up to large enterprises that need industry-leading reliability, management, and security, as well as maximizing performance and flexibility for future growth. The SR630 V3 is designed to handle a wide range of workloads, such as databases, virtualization and cloud computing, virtual desktop infrastructure (VDI), infrastructure security, systems management, enterprise applications, collaboration/email, streaming media, web, and HPC.

Combining performance and flexibility, the SR630 V3 server is a great choice for enterprises of all sizes. Outstanding reliability, availability, and serviceability (RAS) and high-efficiency design can improve your business environment and can help save operational costs.

Key Selling Points

- 6 performance fans for optimal cooling
- 8 hot-swap bays for flexible storage scalability
- Trusted Platform Module (TPM 2.0) for enhanced security
- Multiple USB and VGA ports for high-speed connectivity
- Supports up to 32 DIMM slots with DDR5 SDRAM for improved memory performance

Product Features

- Efficient cooling system**
Equipped with 6 performance fans, this server ensures optimal cooling, maintaining performance even under heavy workloads.
- Scalable storage options**
With 8 hot-swap bays and support for 2.5" SAS drives, the system offers flexible storage scalability, allowing for easy upgrades and maintenance.
- Robust security features**
Featuring a Trusted Platform Module (TPM 2.0) security chip and a chassis intrusion switch, it provides enhanced security measures to protect critical data.
- High-speed connectivity**
Offers a variety of USB 3.2 Gen 1 and USB 2.0 ports along with VGA and management RJ-45 connectors, ensuring high-speed connectivity and easy management.
- Advanced memory support**
Supports up to 32 DIMM slots with DDR5 SDRAM technology, allowing for significant memory expansion and performance improvements in a two-processor configuration.

Main Specifications

Product Description	Lenovo ThinkSystem SR630 V3 - rack-mountable Xeon Silver 4510 2.4 GHz - 32 GB - no HDD
Type	Server - rack-mountable
Height (Rack Units)	1U
Localisation	Region: EMEA
Server Scalability	2-way
Processor	1 x Intel Xeon Silver 4510 / 2.4 GHz (up to 4.1 GHz, (12-core)
Cache Memory	30 MB L3 Cache
Cache Per Processor	30 MB
RAM	32 GB (installed) / 8 TB (max) - DDR5 SDRAM - ECC
Storage Controller	RAID (SATA 6Gb/s / SAS 12Gb/s) - PCIe 3.0 x8 (ThinkSystem RAID 9350-8i)
Server Storage Bays	Hot-swap 2.5"

Hard Drive	No HDD
Optical Storage	No optical drive
Graphics Controller	ASPEED AST2600
Video Memory	16 MB
Power	(50/60 Hz)
Power Redundancy	Optional
OS Provided	No operating system
Dimensions (WxDxH)	44 cm x 77.3 cm x 4.3 cm
Weight	20.8 kg
Environmental Standards	EPEAT Bronze
Manufacturer Warranty	Limited warranty - 3 years - on-site - response time: next business day

Extended Specification

General

Type	Server
Product Form Factor	Rack-mountable - 1U
Built-in Devices	6 x performance fans
Embedded Security	Trusted Platform Module (TPM 2.0) Security Chip
Server Scalability	2-way
Hot-Swap Bays Qty	8
Localisation	Region: EMEA

Expansion / Connectivity

Bays	8 (total) / 8 (free) x hot-swap 2.5"
Interfaces	5 x USB 3.2 Gen 1 (1 front, 3 rear, 1 internal) 1 x USB 2.0 (1 in front) 1 x VGA (1 rear) 1 x management - RJ-45

Manufacturer Warranty

Service & Support	Limited warranty - 3 years - on-site - response time: next business day
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RAM

Installed Size	32 GB (installed) / 8 TB (max)
Technology	DDR5 SDRAM - ECC
Effective Memory Speed	2200 MHz
Rated Memory Speed	2200 MHz
Form Factor	DIMM 288-pin
Slots	32 (Total) / 31 (empty)
Features	Registered, Memory Mirroring, slots 17 - 32 are available in two-processor configuration only
Configuration Features	1 x 32 GB

Networking

Remote Management Protocol	SNMP 3, IPMI 2.0
Remote Management Controller	XClarity Controller 2 (XCC2) Platinum

Miscellaneous

Theft/Intrusion Protection	Chassis intrusion switch
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Compliant Standards	FCC Class A certified, EN 61000-3-2, GS, EN55024, GB 17625.1, VCCI Class A, GB 4943.1, NOM-019, EK1-ITB2000, CNS 13438 Class A, KN35, AS/NZS CISPR 32 Class A, KN32 Class A, EN 62368-1, IEC 62368-1, CISPR 32 Class A, CISPR 35, TP TC 004/2011, TP TC 020/2011, HJ 2507-2011, CNS 15663, TP EAC 037/2016, AS/NZS 62368.1, ANSI/UL 62368-1, ICES-003 issue 7 Class A, GB/T9254, CQC3135, CSA C22.2 No. 62368-1, EN61000-3-3, EN55032 Class A, CNS14336-1, EN55035, EN50581-1 (RoHS), UL2819, BIS 13252 (Part 1)
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Power

Device Type	Power supply - hot-plug
Power Redundancy	Optional
Power Redundancy Scheme	1+1 (with optional power supply)
Installed Qty	1
Max Supported Qty	2
Voltage Required	AC 100-240 V (50/60 Hz)
Power Provided	1100 Watt
80 PLUS Certification	80 PLUS Titanium

Storage Controller

Type	1 x RAID - PCIe 3.0 x8
Controller Interface Type	SATA 6Gb/s / SAS 12Gb/s
Storage Controller Name	ThinkSystem RAID 9350-8i
Channel Qty	8
RAID Level	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10, RAID 50, JBOD, RAID 60
Buffer Size	2 GB

Cache Memory

Installed Size	L3 Cache - 30 MB
Cache Per Processor	30 MB

Optical Storage

Type	No optical drive
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Operating System / Software

OS Provided	No operating system
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Monitor

Monitor Type	None.
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Graphics Controller

Graphics Processor	ASPEED AST2600
Video Memory	16 MB
Video Interfaces	VGA

Hard Drive

Type	No HDD
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Dimensions & Weight

Width	44 cm
Depth	77.3 cm
Height	4.3 cm
Weight	20.8 kg

Processor / Chipset

CPU	Intel Xeon Silver 4510
Clock Speed	2.4 GHz
Max Turbo Speed	4.1 GHz
Number of Cores	12-core
CPU Qty	1
Max CPU Qty	2
Chipset Type	Intel C741

Sustainability Information

EPEAT Compliant	EPEAT Bronze
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