

Lenovo ThinkSystem SR630 V3 - rack-mountable Xeon Silver 4514Y 2 GHz - 64 GB - no HDD (7D73A04HEA)

Lenovo ThinkSystem SR630 V3 7D73 - Server - rack-mountable 1U - 2-way - 1 x Xeon Silver 4514Y / up to 3.4 GHz - RAM 64 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 4514Y 2 GHz - 64 GB - no HDD
Type	Server - rack-mountable
Height (Rack Units)	1U
Localisation	Region: EMEA
Server Scalability	2-way
Processor	1 x Intel Xeon Silver 4514Y / 2 GHz (up to 3.4 GHz, (16-core)
Cache Memory	30 MB L3 Cache
Cache Per Processor	30 MB
RAM	64 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	ENERGY STAR Qualified EPEAT Bronze
Carbon Footprint	12556 kg carbon emissions
Manufacturer Warranty	Limited warranty - 3 years

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
-------------------	----------------------------

RAM

Installed Size	64 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 64 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
----------------------------	--------------------------

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)
---------------------	--

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
------	------------------

Operating System / Software

OS Provided	No operating system
-------------	---------------------

Monitor

Monitor Type	None.
--------------	-------

Graphics Controller

Graphics Processor	ASPEED AST2600
Video Memory	16 MB
Video Interfaces	VGA

Hard Drive

Type	No HDD
------	--------

Dimensions & Weight

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

Processor / Chipset

CPU	Intel Xeon Silver 4514Y
Clock Speed	2 GHz
Max Turbo Speed	3.4 GHz
Number of Cores	16-core
CPU Qty	1
Max CPU Qty	2
Chipset Type	Intel C741

Sustainability Information

EPEAT Compliant	EPEAT Bronze
ENERGY STAR Certified	Yes
ENERGY STAR Version	4.0
Carbon Footprint	12556 kg carbon emissions

Product data is provided by CNET, we do not warrant the accuracy and completeness of the material contained in this data sheet