Lenovo

Lenovo ThinkSystem ST50 V2 server 2 TB Tower Intel Xeon E E-2324G 3.1 GHz 8 GB DDR4-SDRAM 500 W

Brand : Lenovo   **Product family:** ThinkSystem   **Product code:** 7D8JA02YEA

Product name : ST50 V2

- No OS
- Intel Xeon E-2324G (8MB Cache, 3.1GHz)
- 8GB DDR4-SDRAM (1 x 8) & 2000GB HDD
Intel Xeon E-2324G (8MB Cache, 3.1GHz), 8GB DDR4-SDRAM, 2000GB HDD, Intel UHD Graphics P750, LAN (Intel I219-LM), 500W, No OS

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The Lenovo ThinkSystem ST50 V2 single-socket tower server is an entry level server ideal for small businesses, home offices, retail, educational institutions and branch offices. The server is based on the Intel Xeon E-2300 Series processors, formerly codenamed "Rocket Lake".

This product guide provides essential presales information to understand the ThinkSystem ST50 V2 server, its key features and specifications, components and options, and configuration guidelines. This guide is intended for technical specialists, sales specialists, sales engineers, IT architects, and other IT professionals who want to learn more about the ST50 V2 and consider its use in IT solutions.

Processor

Processor manufacturer *	Intel
Processor family *	Intel Xeon E
Processor model *	E-2324G
Processor frequency *	3.1 GHz
Processor boost frequency	4.6 GHz
Processor cores	8
Processor cache	8 MB
Motherboard chipset	Intel C256
Number of processors installed	1
Execute Disable Bit	✔
Idle States	✔
Embedded options available	✔

Memory

Internal memory *	8 GB
Internal memory type *	DDR4-SDRAM
Memory slots	4x DIMM
ECC	✔
Memory layout (slots x size)	1 x 8 GB
Maximum internal memory *	128 GB

Storage

Total storage capacity *	2 TB
Number of HDDs installed	1
HDD capacity	2 TB

Graphics

On-board graphics card	✔
On-board graphics card model	Intel UHD Graphics P750

Network

LAN controller	Intel® I219-LM
Ethernet LAN	✔
Cabling technology	10/100/1000Base-T(X)
Ethernet interface type	Gigabit Ethernet

Design

Product colour	Black

Performance

BIOS type	UEFI
Trusted Platform Module (TPM)	✔
Trusted Platform Module (TPM) version	2.0

Software

Operating system installed *	✘
Compatible operating systems *	Microsoft Windows Server, Red Hat Enterprise Linux, VMware ESXi

Processor special features

CPU configuration (max)	1
Enhanced Intel SpeedStep Technology	✔
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Trusted Execution Technology	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel Clear Video Technology	✔
Intel Software Guard Extensions (Intel SGX)	✔
Intel 64	✔
Intel Virtualization Technology (VT-x)	✔

Power

Redundant power supply (RPS) support *	✘
Power supply *	500 W

Operational conditions

Operating temperature (T-T)	5 - 45 °C
Storage temperature (T-T)	-40 - 60 °C
Operating relative humidity (H-H)	8 - 90%

Ports & interfaces

Ethernet LAN (RJ-45) ports *	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	6
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Serial ports quantity	1
DisplayPorts quantity	2

Design

Chassis type *	Tower

Operational conditions

Storage relative humidity (H-H)	8 - 90%
Operating altitude	0 - 3050 m

Weight & dimensions

Width	170 mm
Depth	316 mm
Height	376 mm
Weight	9.4 kg

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