Lenovo ThinkSystem ST250 V2 server 0 GB Tower Intel Xeon E E-2356G 3.2 GHz 16 GB DDR4-SDRAM 550 W

Brand : Lenovo **Product family:** ThinkSystem **Product code:** 7D8FA01TEA

Product name : ST250 V2

- No OS
- Intel Xeon E-2356G (12MB Cache, 3.2GHz)
- 16GB DDR4-SDRAM (1 x 16)

Intel Xeon E-2356G (12MB Cache, 3.2GHz), 16GB DDR4-SDRAM, Intel UHD Graphics P750, LAN (Broadcom BCM5720), 550W, No OS

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The Lenovo ThinkSystem ST250 V2 is a mainstream 1-socket tower server that also be rack mounted as a rack server. It is ideal for small-to-medium businesses, remote offices, branch offices, banking and public sector. The server supports the new Intel Xeon E-2300 Series processors, formerly codenamed "Rocket Lake".

This product guide provides essential presales information to understand the ThinkSystem ST250 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 ST250 V2 and consider its use in IT solutions.

Processor	
Processor manufacturer *	Intel
Processor family *	Intel Xeon E
Processor model *	E-2356G
Processor frequency *	3.2 GHz
Processor boost frequency	5 GHz
Processor cores	6
Processor cache	12 MB
Motherboard chipset	Intel C256
Number of processors installed	1
Execute Disable Bit	✔
Idle States	✔

Memory	
Internal memory *	16 GB
Internal memory type *	DDR4-SDRAM
Memory slots	4x DIMM
ECC	✔
Memory layout (slots x size)	1 x 16 GB
Maximum internal memory *	128 GB

Storage	
Total storage capacity *	0 GB
Optical drive type *	✘
Internal drive bays	8

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

Network	
LAN controller	Broadcom BCM5720
Ethernet LAN	✔
Cabling technology	10/100/1000Base-T(X)
Ethernet interface type	Gigabit Ethernet

Performance	
Performance management	XClarity Enterprise
Noise level	27.6 dB
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, SUSE Linux Enterprise Server, 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 *	550 W
Number of redundant power supplies supported	2

Operational conditions	
Operating temperature (T-T)	5 - 45 °C
Storage temperature (T-T)	-40 - 60 °C

Ports & interfaces	
Ethernet LAN (RJ-45) ports *	2
USB 2.0 ports quantity	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	4
VGA (D-Sub) ports quantity	1
Serial ports quantity	1

Design	
Chassis type *	Tower
Product colour	Black

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

Weight & dimensions	
Width	176 mm
Depth	578 mm
Height	444 mm
Weight	23.6 kg

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