



Lenovo ThinkSystem 7DF31001EA server 960 GB Tower Intel® Xeon® 6315P 2.8 GHz 16 GB DDR5-SDRAM 500 W

Brand : Lenovo

Product family: ThinkSystem

Product code: 7DF31001EA

Product name : 7DF31001EA

- Intel Xeon 6315P (12MB Cache, 2.8GHz)
- 16GB (4400MHz) DDR5-SDRAM (1 x 16) & 960GB SSD
Intel Xeon 6315P (12MB Cache, 2.8GHz), 16GB DDR5-SDRAM (4400MHz), 960GB SSD, LAN (Broadcom BCM5720), 500W

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The Lenovo ThinkSystem ST50 V3 is a value 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-2400 Series processors, formerly codenamed "Raptor Lake".

This product guide provides essential presales information to understand the ThinkSystem ST50 V3 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 V3 and consider its use in IT solutions.



Processor		Ports & interfaces	
Processor manufacturer *	Intel	Ethernet LAN (RJ-45) ports *	2
Processor family *	Intel® Xeon®	USB 2.0 ports quantity	2
Processor model *	6315P	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	5
Processor frequency *	2.8 GHz	VGA (D-Sub) ports quantity	1
Processor boost frequency	5.2 GHz	Serial ports quantity	1
Performance cores	4	Design	
Processor cores	4	Chassis type *	Tower
Processor cache	12 MB	Product colour	Black
Motherboard chipset	Intel C266	Performance	
Number of processors installed	1	Trusted Platform Module (TPM)	✓
Memory		Trusted Platform Module (TPM) version	2.0
Internal memory *	16 GB	Software	
Internal memory type *	DDR5-SDRAM	Compatible operating systems *	Microsoft Windows Server Red Hat Enterprise Linux SUSE Linux Enterprise Server VMware ESXi
Memory slots	4x DIMM	Power	
ECC	✓	Power supply *	500 W
Memory clock speed	4400 MHz	Power supply input voltage	100 - 240 V
Memory layout (slots x size)	1 x 16 GB	Power supply input frequency	50/60 Hz
Maximum internal memory *	128 GB	Operational conditions	
Storage			
Total storage capacity *	960 GB		
Number of SSDs installed	2		
SSD capacity	480 GB		
SSD interface	SATA		

Storage		Operational conditions	
Optical drive type *	✗	Storage temperature (T-T)	-20 - 60 °C
Internal drive bays	3	Storage relative humidity (H-H)	8 - 90%
Supported storage drive interfaces	Serial ATA	Operating altitude	0 - 3050 m
Graphics		Certificates	
On-board graphics card	✓	80 PLUS certification	80 PLUS Platinum
Maximum graphics card memory	16 MB	Weight & dimensions	
Network		Width	170 mm
LAN controller	Broadcom BCM5720	Depth	370 mm
Ethernet LAN	✓	Height	376 mm
Cabling technology	10/100/1000Base-T(X)	Weight	12 kg
Ethernet interface type	Gigabit Ethernet	Technical details	
		Supported storage drives form factor (internal)	3.5"



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