



Lenovo ThinkSystem ST550 server Tower (4U) Intel® Xeon® 4110 2.1 GHz 16 GB DDR4-SDRAM 750 W



Brand : Lenovo **Product family:** ThinkSystem **Product code:** 7X10100NNA
Product name : ST550

- Intel Xeon Silver 4110 (11MB Cache, 2.1GHz)
- 16GB (2666MHz) DDR4-SDRAM (1 x 16)
Intel Xeon Silver 4110 (11MB Cache, 2.1GHz), 16GB DDR4-SDRAM (2666MHz), Matrox G200, LAN, 930-8i, 750W

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The Lenovo ThinkSystem ST550 2-socket 4U rack-mountable tower server provides outstanding performance and industry-leading reliability. It is ideal for small-to-medium businesses, distributed enterprises, retail, educational institutions and branch offices.

This product guide provides essential presales information to understand the ThinkSystem ST550 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 ST550 and consider its use in IT solutions.

Processor		Ports & interfaces	
Processor manufacturer *	Intel	USB 2.0 ports quantity	5
Processor family *	Intel® Xeon®	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	3
Processor generation	1st Generation Intel® Xeon® Scalable	VGA (D-Sub) ports quantity	1
Processor model *	4110	Expansion slots	
Processor frequency *	2.1 GHz	PCI Express slots version	3.0
Processor boost frequency	3 GHz	Design	
Processor cores	8	Chassis type *	Tower (4U)
Processor cache	11 MB	Product colour	Black
Number of processors installed	1	Rack mounting	✓
Thermal Design Power (TDP)	85 W	Performance	
Processor cache type	L3	Performance management	XClarity Controller
Processor socket	LGA 3647 (Socket P)	Trusted Platform Module (TPM)	✓
Processor lithography	14 nm	Software	
Processor threads	6	Compatible operating systems *	Microsoft Windows Server 2016/2012 R2. Red Hat Enterprise Linux 7.3/6.9. SUSE Linux Enterprise Server 12 SP2/11 SP4. VMware vSphere (ESXi) 6.5/6.0 U3
Processor operating modes	64-bit	Processor special features	
Stepping	U0	Enhanced Intel SpeedStep Technology	✓
Processor codename	Skylake	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Tcase	78 °C	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Maximum internal memory supported by processor	768 GB	Intel® Turbo Boost Technology	✗
Memory types supported by processor	DDR4-SDRAM	Intel® AES New Instructions (Intel® AES-NI)	✓
Memory clock speeds supported by processor	2133 MHz	Intel Trusted Execution Technology	✓
Execute Disable Bit	✓	Intel VT-x with Extended Page Tables (EPT)	✓
Maximum number of PCI Express lanes	48	Intel TSX-NI	✓
Processor package size	76.0 x 56.5 mm	Intel 64	✓
Supported instruction sets	AVX, AVX 2.0, AVX-512, SSE4.2	Intel Virtualization Technology (VT-x)	✓
Processor code	SR3GM	Intel TSX-NI version	1.00
Scalability	2S		
Embedded options available	✓		
Conflict-Free processor	✓		
Memory			
Internal memory *	16 GB		
Internal memory type *	DDR4-SDRAM		

Memory		Processor special features	
Memory slots	12	Processor ARK ID	123546
ECC	✓	Power	
Memory clock speed	2666 MHz	Redundant power supply (RPS) support *	✓
Memory layout (slots x size)	1 x 16 GB	Power supply *	750 W
Storage		Number of redundant power supplies supported	2
HDD interface	Serial ATA III, Serial Attached SCSI (SAS)	Number of main power supplies	1
HDD size	2.5"	Operational conditions	
RAID support *	✓	Storage temperature (T-T)	-10 - 60 °C
RAID levels	0, 1, 5, 6, 10, 50, 60	Operating altitude	0 - 3048 m
Supported RAID controllers	930-8i	Weight & dimensions	
Hot-swap	✓	Width	176 mm
Optical drive type *	✗	Depth	670 mm
Graphics		Height	438 mm
On-board graphics card	✓	Weight	36 kg
On-board graphics card model	Matrox G200	Technical details	
Network		Sustainability certificates	ENERGY STAR
Ethernet LAN	✓		
Cabling technology	10/100/1000Base-T(X)		
Ethernet interface type	Gigabit Ethernet		
Ports & interfaces			
Ethernet LAN (RJ-45) ports *	2		

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