



Lenovo ThinkSystem ST550 server Tower Intel® Xeon® 3106 1.7 GHz 16 GB DDR4-SDRAM 750 W



Brand : Lenovo

Product code: 7X10A03PNA

Product name : ThinkSystem ST550

ThinkSystem ST550, Xeon Bronze 3106, 1x 16GB DDR4 2666MHz, 1x 530-8i, 8x 3.5", 4x 3.5" SATA/SAS HS, Chassis Intrusion Switch/TPM 1.2, XClarity Enterprise, 1x 750W Platinum
 Lenovo ThinkSystem ST550. Processor family: Intel® Xeon®, Processor frequency: 1.7 GHz, Processor model: 3106. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM, Memory layout (slots x size): 1 x 16 GB. HDD interface: Serial ATA, Serial Attached SCSI (SAS). Ethernet LAN, Cabling technology: 10/100/1000Base-T(X). Power supply: 750 W, Redundant power supply (RPS) support. Chassis type: Tower

Processor		Ports & interfaces	
Processor manufacturer *	Intel	VGA (D-Sub) ports quantity	1
Processor family *	Intel® Xeon®	Expansion slots	
Processor generation	1st Generation Intel® Xeon® Scalable	PCI Express x8 (Gen 3.x) slots	2
Processor model *	3106	PCI Express x16 (Gen 3.x) slots	2
Processor frequency *	1.7 GHz	PCI Express slots version	3.0
Processor cores	8	Design	
Processor cache	11 MB	Chassis type *	Tower
Memory channels supported by processor	Hexa	Performance	
Number of processors installed	1	Performance management	XClarity Standard
Thermal Design Power (TDP)	85 W	Trusted Platform Module (TPM)	✓
Processor cache type	L3	Trusted Platform Module (TPM) version	1.2
Processor socket	LGA 3647 (Socket P)	Software	
Processor lithography	14 nm	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 threads	8	Processor special features	
Processor operating modes	64-bit	Enhanced Intel SpeedStep Technology	✓
Stepping	U0	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor codename	Skylake	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Tcase	77 °C	Intel® Turbo Boost Technology	✗
Maximum internal memory supported by processor	768 GB	Intel® AES New Instructions (Intel® AES-NI)	✓
Memory types supported by processor	DDR4-SDRAM	Intel Trusted Execution Technology	✓
Memory clock speeds supported by processor	2133 MHz	Intel VT-x with Extended Page Tables (EPT)	✓
ECC supported by processor	✓	Intel TSX-NI	✓
Execute Disable Bit	✓	Intel 64	✓
Maximum number of PCI Express lanes	48	Intel Virtualization Technology (VT-x)	✓
Processor package size	76.0 x 56.5 mm	Intel TSX-NI version	1.00
Processor code	SR3GL	Processor ARK ID	123540
Scalability	2S		
Embedded options available	✓		
Conflict-Free processor	✓		
Memory			
Internal memory *	16 GB		
Internal memory type *	DDR4-SDRAM		
Memory slots	12		

Memory		Power	
Memory clock speed	2666 MHz	Redundant power supply (RPS) support *	✓
Memory layout (slots x size)	1 x 16 GB	Power supply *	750 W
Maximum internal memory *	768 GB	Number of main power supplies	1
Storage		Power supply input frequency	50 - 60 Hz
Maximum storage capacity *	61.44 TB	Operational conditions	
HDD interface	Serial ATA, Serial Attached SCSI (SAS)	Operating temperature (T-T)	10 - 35 °C
Supported HDD sizes	2.5,3.5"	Storage temperature (T-T)	-10 - 60 °C
RAID support *	✓	Operating relative humidity (H-H)	20 - 80%
RAID levels	0, 1, 5, 6, 10, 50, 60	Storage relative humidity (H-H)	8 - 90%
Supported RAID controllers	530-8i	Operating altitude	0 - 3048 m
Hot-Plug support	✓	Weight & dimensions	
Hot-swap	✓	Width	175.8 mm
Graphics		Depth	666.4 mm
On-board graphics card	✓	Height	425.5 mm
On-board graphics card model	Matrox G200	Technical details	
Network		Sustainability certificates	ENERGY STAR
Ethernet LAN	✓		
Cabling technology	10/100/1000Base-T(X)		
Ports & interfaces			
USB 2.0 ports quantity	3		
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	3		

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