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

Brand : Lenovo

Product code: 7X10A028NA

Product name : ThinkSystem ST550

ThinkSystem ST550, Xeon Silver 4110, 1x 16GB DDR4 2666MHz, 1x 530-8i, 8x 3.5", 8x 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: 2.1 GHz, Processor model: 4110. 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	
Processor manufacturer *	Intel
Processor family *	Intel® Xeon®
Processor generation	1st Generation Intel® Xeon® Scalable
Processor model *	4110
Processor frequency *	2.1 GHz
Processor boost frequency	3 GHz
Processor cores	8
Processor cache	11 MB
Memory channels supported by processor	Hepta
Number of processors installed	1
Thermal Design Power (TDP)	85 W
Processor cache type	L3
Processor socket	LGA 3647 (Socket P)
Processor lithography	14 nm
Processor threads	16
Processor operating modes	64-bit
Processor codename	Skylake
Tcase	77 °C
Maximum internal memory supported by processor	768 GB
Memory types supported by processor	LPDDR4-SDRAM
Memory clock speeds supported by processor	2400 MHz
ECC supported by processor	✓
Execute Disable Bit	✓
Maximum number of PCI Express lanes	48
Processor package size	76.0 x 56.5 mm
Supported instruction sets	AVX, AVX 2.0, AVX-512, SSE4.2
Scalability	2S
Embedded options available	✓
Conflict-Free processor	✓

Memory	
Internal memory *	16 GB
Internal memory type *	DDR4-SDRAM
Memory slots	12

Ports & interfaces	
VGA (D-Sub) ports quantity	1

Expansion slots	
PCI Express x8 (Gen 3.x) slots	2
PCI Express x16 (Gen 3.x) slots	2
PCI Express slots version	3.0

Design	
Chassis type *	Tower

Performance	
Performance management	XClarity Standard
Trusted Platform Module (TPM)	✓
Trusted Platform Module (TPM) version	1.2

Software	
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 special features	
Enhanced Intel SpeedStep Technology	✓
Intel Virtualization Technology for Directed I/O (VT-d)	✓
Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Intel® Turbo Boost Technology	2.0
Intel® AES New Instructions (Intel® AES-NI)	✓
Intel Trusted Execution Technology	✓
Intel VT-x with Extended Page Tables (EPT)	✓
Intel TSX-NI	✓
Intel 64	✓
Intel Virtualization Technology (VT-x)	✓
Intel TSX-NI version	1.00
Processor ARK ID	123547

Memory	
Memory clock speed	2666 MHz
Memory layout (slots x size)	1 x 16 GB
Maximum internal memory *	768 GB

Storage	
Maximum storage capacity *	61.44 TB
HDD interface	Serial ATA, Serial Attached SCSI (SAS)
Supported HDD sizes	2.5,3.5"
RAID support *	✓
RAID levels	0, 1, 5, 6, 10, 50, 60
Supported RAID controllers	530-8i
Hot-Plug support	✓
Hot-swap	✓

Graphics	
On-board graphics card	✓
On-board graphics card model	Matrox G200

Network	
Ethernet LAN	✓
Cabling technology	10/100/1000Base-T(X)

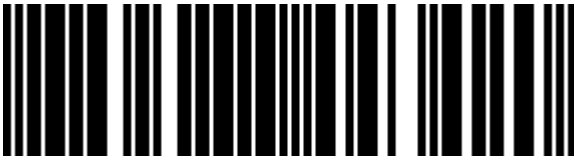
Ports & interfaces	
USB 2.0 ports quantity	3
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	3

Power	
Redundant power supply (RPS) support *	✓
Power supply *	750 W
Number of main power supplies	1
Power supply input frequency	50 - 60 Hz

Operational conditions	
Operating temperature (T-T)	10 - 35 °C
Storage temperature (T-T)	-10 - 60 °C
Operating relative humidity (H-H)	20 - 80%
Storage relative humidity (H-H)	8 - 90%
Operating altitude	0 - 3048 m

Weight & dimensions	
Width	175.8 mm
Depth	666.4 mm
Height	425.5 mm

Technical details	
Sustainability certificates	ENERGY STAR



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