



# Lenovo ThinkSystem SR650 server Rack (2U) Intel Xeon Silver 4116 2.1 GHz 32 GB DDR4-SDRAM 750 W

**Brand :** Lenovo

**Product code:** 7X06A04ZNA

**Product name :** ThinkSystem SR650

ThinkSystem SR650, 1x Xeon Silver 4116, 1x 32GB DDR4 2666MHz, 24x 2.5", 1x LP x8/1x RAID slot, Front VGA, TPM 1.2, XClarity Enterprise, 1x 750W Platinum

Lenovo ThinkSystem SR650. Processor family: Intel Xeon Silver, Processor frequency: 2.1 GHz, Processor model: 4116. Internal memory: 32 GB, Internal memory type: DDR4-SDRAM, Memory layout (slots x size): 1 x 32 GB. Ethernet LAN, Cabling technology: 10/100/1000Base-T(X). Power supply: 750 W, Redundant power supply (RPS) support. Chassis type: Rack (2U)



Processor		Expansion slots	
Processor manufacturer *	Intel	PCI Express x8 (Gen 3.x) slots	2
Processor family *	Intel Xeon Silver	PCI Express x16 (Gen 3.x) slots	1
Processor generation	1st Generation Intel® Xeon® Scalable	PCI Express slots version	3.0
Processor model *	4116	<b>Design</b>	
Processor frequency *	2.1 GHz	Chassis type *	Rack (2U)
Processor boost frequency	3 GHz	Rack mounting	✓
Processor cores	12	Redundant fans support	✓
Processor cache	16.5 MB	Rack rails	✓
Memory channels supported by processor	Hexa	<b>Performance</b>	
Number of processors installed	1	Performance management	XClarity Enterprise
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)	<b>Processor special features</b>	
Processor lithography	14 nm	Enhanced Intel SpeedStep Technology	✓
Processor threads	24	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor operating modes	64-bit	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Stepping	M0	Intel® Turbo Boost Technology	2.0
Processor codename	Skylake	Intel® AES New Instructions (Intel® AES-NI)	✓
Tcase	76 °C	Intel Trusted Execution Technology	✓
Maximum internal memory supported by processor	768 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Memory types supported by processor	DDR4-SDRAM	Intel TSX-NI	✓
Memory clock speeds supported by processor	2400 MHz	Intel 64	✓
ECC supported by processor	✓	Intel Virtualization Technology (VT-x)	✓
Execute Disable Bit	✓	Intel TSX-NI version	1.00
Maximum number of PCI Express lanes	48	Processor ARK ID	120481
Processor package size	76.0 x 56.5 mm	<b>Power</b>	
Supported instruction sets	AVX, AVX 2.0, AVX-512, SSE4.2	Redundant power supply (RPS) support *	✓
Processor code	SR3HQ	Power supply *	750 W
Scalability	2S	Number of redundant power supplies installed	1
Embedded options available	✓		
Conflict-Free processor	✓		
<b>Memory</b>			
Internal memory *	32 GB		

Memory		Power	
Internal memory type *	DDR4-SDRAM	Power supply input frequency	50 - 60 Hz
Memory slots	24x DIMM	<b>Operational conditions</b>	
ECC	✓	Operating temperature (T-T)	5 - 45 °C
Memory clock speed	2666 MHz	Storage temperature (T-T)	-10 - 60 °C
Memory layout (slots x size)	1 x 32 GB	Operating relative humidity (H-H)	8 - 90%
Maximum internal memory *	3.07 TB	Storage relative humidity (H-H)	8 - 90%
<b>Storage</b>		Operating altitude	0 - 3048 m
Maximum storage capacity *	61.4 TB	<b>Weight &amp; dimensions</b>	
Supported HDD sizes	2.5"	Width	482 mm
RAID support *	✓	Depth	763.7 mm
RAID levels	0, 1, 5, 6, 10, 50, 60, JBOD	Height	86.5 mm
Hot-swap	✓	<b>Technical details</b>	
Optical drive type *	✗	Sustainability certificates	ENERGY STAR
Supported storage drive interfaces	SAS, Serial ATA III		
<b>Network</b>			
Ethernet LAN	✓		
Cabling technology	10/100/1000Base-T(X)		

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