ThinkSystem SR550 Platform Specifications

Product Specifications Reference (PSREF)

Components	Specification						Components	Specification
Form factor	2U rack						Base warranty	MT 7X03: 1-year limited onsite service with 9x5/NBD
Dimensions	Height: 86.5 mm (3.4 in). Width: 482 mm (19.0 in) with rack latches. Depth: 763.7					63.7		MT 7X04: 3-year limited onsite service with 9x5/NBD
	mm (30.1 in)						Power supply	Up to two redundant hot-swap 550W and 750W 80 PLUS Platinum qualified AC
Weight	Maximum configuration: 57.32 lb (26 kg)							power supplies. Or up to two redundant hot-swap 750W Titanium qualified AC power supplies. 750W Titanium is 200V - 240V, others are 100V - 240V
Processor	Up to two 125W Intel Xeon Scalable family processors, Bronze, Silver, Gold, or Platinum. Up to 20 cores at 2.0GHz, up to 3.6GHz with 4 cores. Two processors are connected with two UPI (Ultra Path Interconnect) links up to 10.4GT/s					ors are	Video	Integrated Matrox G200 in XClarity Controller
							11	Three fans (2+1) for single processor model, four fans (3+1) for dual processor
Chipset	Intel C622 Platform Controller Hub						Cooling	model
Memory	Up to 12 DIMM sockets. Each processor supports up to 6 DIMM sockets with 6					6	Front ports	One XClarity Controller USB, one USB 3.0, one optional VGA
	channels. DDR4-2666. RDIMMs and LRDIMMs are supported, but memory types					ypes	Rear ports	One VGA, two USB 3.0, two ethernet (RJ-45) one XClarity Controller connector.
	cannot be intermixed							Optional COM port
Memory capacity	With RDIMMs: Up to 384GB with 12 x 32 GB RDIMMs and two processors With LRDIMMs: Up to 768GB with 12 x 64 GB LRDIMMs and two processors							Supports ASHRAE A4 with limitations.
Momory protoction	ECC, memory mirroring, and memory sparing					6	-	A4: 5°C to 45°C (41°F to 113°F) Temperature - operating A3: 5°C to 40°C (41°F to 104°F)
Storage controllers	Supports the following RAID/HBA adapters:						Environmental	A2: 10°C to 35°C (50°F to 95°F)
								Temperature - non operating (no package) -10°C to 60°C (14°F to 140°F) Temperature - non operating (with package) -40°C to 70°C (-40°F to 158°F)
	RAID adapter Interface	Drive type RAID levels	JBOD C	ache Cache	FastPath	Max qty	specification	Altitude - operating (Har package) (Unpressurized): 0-10000ft (0-3048m)
	For SS Onboard CCh SAT	A SATA 0/1/10/5	Yes N	Ione None	No	-		Humidity - operating, non-condensing A4: 8%~90%. A3:8%~85%. A2:20%~80%
	Days OAIA	S SATA/SAS 0/1/10/5/50		Ione None	Yes	2		Humidity - storage (with package), non-condensing 8%~90% Models should meet the following requirements to support A3 and A4:
	730-8i 12Gbs SA	S SATA/SAS 0/1/10/5/50	Yes 1	IGB None	No	2		Redundant power supplies required
	930-16i 12Gbs SA	S SATA/SAS 0/1/10/5/50/6 S SATA/SAS 0/1/10/5/50/6	/60 Yes 2	2GB Flash backup 1GB Flash backup		2	Environmental certification	No system fan fails
	430-8i 12Gbs SA	S SATA/SAS -	Yes N	Ione None	-	2		Energy Star Server 2.1 certified. More environmental information please see: www.lenovo.com/social_responsibility/us/en/environment/
	430-161 12GDS 5	S SATA/SAS -		lone None	-	1 6		
	430-16e 12Gbs SAS SATA/SAS - Yes None None - 6					6	Slot 1 Slot 2 Slot 3 Slot 4 Slot 5 Slot 6	
	930-8e 12Gbs SAS SATA/SAS 0/1/10/5/50/6/60 Yes 4GB Flash backup Yes 6					6		
	Note: 730-8i is available in China only. All RAID/HBA adapters should be placed in slot 4 firstly.							
Disk drive bays	Support 8 front 3.5" SATA simple-swap bays, or 8 front 3.5" SATA/SAS HS bays, or 12 front 3.5" SATA/SAS HS bays, or 8 front 2.5" SATA/SAS HS bays, or 16 front 2.5" SATA/SAS HS bays.					ays,		
	Optional one or two internal M.2 SSD for boot, dual M.2 SSD supports mirroring					rina		
Internal storage	For 3.5" SS bay	3.5" HDD, SATA6Gbs, 7.2k	,	1TB/2TB/4TB/6T				LOM GbE GbE VGA 2xUSB 3.0 PSU1 PSU2 port 2 port 1 port 2 (optional)
	For 3.5" bay (3.5" disks or 2.5" disks with	3.5" HDD, SATA6Gbs, 7.2k		1TB/2TB/4TB/6TB/8TB/10TB				port 2 port 1 port 2 (optional) XClarity Controller
		3.5" HDD, SAS12Gbs, 7.2	(1TB/2TB/4TB/6T 300GB/600GB	B/10TB			network connector
	3.5" tray)	2.5 HDD, SAS12Gbs, 15r 2.5" SSD, SATA6Gbs		240GB/480GB			Note: GbE port 1 and	LOM port 1 support Wake-on-LAN and NC-SI. Riser cards, expansion cards, and LOM adapters are optional
		2.5" HDD, SATA6Gbs, 7.2k					Expansion slots	
	For 2.5" bay	5" HDD, SAS12Gbs, 7.2K 1TB/2TB						
		2.5" HDD, SAS12Gbs, 10k		300GB/600GB/900GB/1.2TB/1.8TB 300GB/600GB 400GB/800GB/3.84TB			Slot 1-3 (riser card 1) Supports one of the following for riser card 1: Option 1: PCIe 3.0 x8/x8/x8 (slot 1-3). Full height, half length.	
		2.5" HDD, SAS12Gbs, 15k						Option 2: PCle 3.0 x16/x8 (slot 1 and 3). Full height, half length
		2.5" SSD, SAS12Gbs 2.5" SSD, SATA6Gbs		240GB/800GB/3.	.04 I D			Option 3: PCIe 3.0 x8/x8/x8 ML2 (slot 1-3). Full height, half length
		M.2 SATA SSD		32GB/128GB			Slot 4 (onboard)	
Optical	No internal optical bay. Optional USB DVD±RW optical drive						Slot 5 (riser card	
-	Integrated one dedicated management port plus two GbE ports. One LOM slot for					ot for	Slot 6 (riser card	
	customized LOM with two RJ-45 or SFP+ ports, up to 10GbE. Optional ML2 or PCIe					or PCIe	System unique	options
	adapters are supported. ML2 adapter requires riser card with ML2 slot.							Lenovo SR550/SR590/SR650 x8/x8/x8ML2 PCIe FH Riser 1 Kit
Security features	Up to two ports supports Wake-on-LAN and NC-SI (see right) Power-on and admin password. Trusted Platform Module, TCG 1.2 compliant, upgrade to 2.0 via UEFI setting. Optional TCM in China only. Optional lockable							Lenovo SR550/SR590/SR650 (x16/x8)/(x16/x16) PCIe FH Riser 2 Kit
						, e		Lenovo SR550/SR590/SR650 x16/x8 PCIe FH Riser 1 Kit
	security bezel						7XH7A02677 7Z17A02578	Lenovo SR550/SR590/SR650 x8/x8/x8 PCIe FH Riser 1 Kit Lenovo SR550/SR590/SR650 EIA Latch w/ VGA Upgrade Kit
Operating systems	Microsoft Windows Server 2016/2012 R2. Red Hat Enterprise Linux 7.3/6.9. SUSE					SUSE	7XH7A06254	Lenovo SR550/SR650 2.5" SATA/SAS 8-Bay Backplane Kit
supported	Linux Enterprise Server 12 SP2/11 SP4. VMware vSphere (ESXi) 6.5/6.0 U3						7Z17A02580	Lenovo 2U Security Bezel
Systems management	XClarity Controller Standard, optional upgrades to Advanced or Enterprise are available. Energy Manager. XClarity Administrator. Lenovo Capacity Planner. Provisioning Manager. Essentials. Light Path Diagnostics None					re		Lenovo COM Port Upgrade Kit
GPU support							-	
Gi U support	וויטווס						J	