

# ThinkSystem SR570 7Y03A02JNA

Region	Power Supply
NA	1x 750W Platinum
Machine Type	Warranty
7Y03	3-year
TopSeller	Ann Date (mm/yy)
TopSeller	11/17
Processor	
1x Xeon Bronze 3106	
8C/1.7GHz/11MB/85W/DDR4-2133	
Memory	
1x 16GB RDIMM DDR4-2666	
Storage Controller	
1x 530-8i	
Disk Bays	
4x 3.5" SATA/SAS HS	
Disks	
Open	
M.2 Drives	
None	
Networking (LOM/ML2/PCIe)	
None	
Available PCIe Slots	
1x PClex8, 1x PClex16	
FrontVGAport	
Front VGA	
System Management	
XClarity Enterprise	



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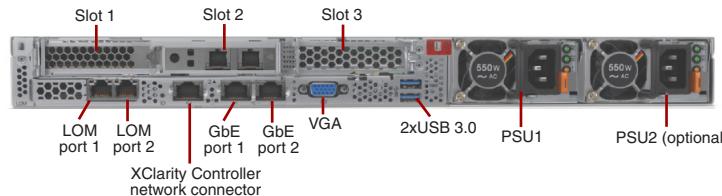
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Components	Specification	Components	Specification						
Form factor	1U rack	Base warranty	MT 7Y02: 1-year limited onsite service with 9x5/NBD MT 7Y03: 3-year limited onsite service with 9x5/NBD						
Dimensions	Height: 43 mm (1.7 in). Width: 482 mm (19.0 in) with rack latches. Depth: 778.3 mm (30.64 in)	Power supply	Up to two redundant hot-swap 550W and 750W 80 PLUS Platinum qualified AC power supplies. Or up to two redundant hot-swap 750W Titanium qualified AC power supplies. 750W Titanium is 200V - 240V, others are 100V - 240V						
Weight	Maximum configuration: 35.27 lb (16 kg)	Video	Integrated Matrox G200 in XClarity Controller						
Processor	Up to two 150W Intel Xeon Scalable family processors, Bronze, Silver, Gold, or Platinum. Up to 26 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 each	Cooling	4x 3.5" or 8x 2.5" models: four fans for single processor model, six fans for dual processor model, all fans are 4028 10x 2.5" models: six fans for both single and dual processor models, all fans are 4056						
Chipset	Intel C622 Platform Controller Hub	Front ports	One XClarity Controller USB, one USB 3.0, one optional VGA						
Memory	Up to 16 DIMM sockets. Each processor supports up to 8 DIMM sockets with 6 channels. DDR4-2666. RDIMMs and LRDIMMs are supported, but memory types cannot be intermixed	Rear ports	One VGA, two USB 3.0, two ethernet (RJ-45), one XClarity Controller connector. Optional COM port						
Memory capacity	With RDIMMs: Up to 512GB with 16 x 32 GB RDIMMs and two processors With LRDIMMs: Up to 1TB with 16 x 64 GB LRDIMMs and two processors		Supports ASHRAE A4 with limitations.						
Memory protection	ECC, memory mirroring, and memory sparing								
Storage controllers	Supports the following RAID/HBA adapters:								
	RAID adapter	Interface	Drive type	RAID levels	JBOD	Cache	Cache protection	FastPath	Max qty
	For SS bays	Onboard SATA	6Gb SATA	SATA	0/1/10/5	Yes	None	None	No
	530-8i	12Gbs SAS	SATA/SAS	0/1/10/5/50	Yes	None	None	Yes	1
	730-8i	12Gbs SAS	SATA/SAS	0/1/10/5/50	Yes	1GB	None	No	1
	930-8i	12Gbs SAS	SATA/SAS	0/1/10/5/50/6/60	Yes	2GB	Flash backup	Yes	1
	930-16i	12Gbs SAS	SATA/SAS	0/1/10/5/50/6/60	Yes	4GB	Flash backup	Yes	1
	430-8i	12Gbs SAS	SATA/SAS	-	Yes	None	None	-	1
	430-16i	12Gbs SAS	SATA/SAS	-	Yes	None	None	-	1
	430-8e	12Gbs SAS	SATA/SAS	-	Yes	None	None	-	3
	430-16e	12Gbs SAS	SATA/SAS	-	Yes	None	None	-	3
	930-8e	12Gbs SAS	SATA/SAS	0/1/10/5/50/6/60	Yes	4GB	Flash backup	Yes	2
Note: 730-8i is available in China only									
Disk drive bays	Support 4 front 3.5" SATA simple-swap bays, or 4 front 3.5" SATA/SAS HS bays, or 8 front 2.5" SATA/SAS HS bays, or 10 front 2.5" SATA/SAS HS bays with 4 AnyBay. Optional one or two internal M.2 SSD for boot, dual M.2 SSD supports mirroring								
Internal storage	For 3.5" SS bay		3.5" HDD, SATA6Gbs, 7.2K		1TB/2TB/4TB/6TB/8TB				
			3.5" HDD, SATA6Gbs, 7.2K		1TB/2TB/4TB/6TB/8TB/10TB				
	For 3.5" bay (3.5" disks or 2.5" disks with 3.5" tray)		3.5" HDD, SAS12Gbs, 7.2K		1TB/2TB/4TB/6TB/10TB				
			3.5" HDD, SAS12Gbs, 15K		300GB/600GB/900GB				
	2.5" SSD, SATA6Gbs		240GB/480GB		960GB/1.92TB/3.84TB				
	2.5" NVMe SSD, AnyBay								
	For 2.5" bay		2.5" HDD, SATA6Gbs, 7.2K		1TB/2TB				
			2.5" HDD, SAS12Gbs, 7.2K		1TB/2TB				
	2.5" HDD, SAS12Gbs, 10K		300GB/600GB/900GB/1.2TB/1.8TB						
	2.5" HDD, SAS12Gbs, 10K, SED		300GB/600GB						
Optical	No internal optical bay. Optional USB DVD±RW optical drive								
Network interfaces	Integrated one dedicated management port plus two GbE ports. One LOM slot for customized LOM with two RJ-45 or SFP+ ports, up to 10GbE. Optional ML2 or PCIe adapters are supported. ML2 adapter requires riser card with ML2 slot. Up to two ports supports Wake-on-LAN and NC-SI (see right)								
Security features	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 security bezel								
Operating systems supported	Microsoft Windows Server 2016/2012 R2. Red Hat Enterprise Linux 7.3/6.9. SUSE Linux Enterprise Server 12 SP2/11 SP4. VMware ESXi 6.5/6.0 U3								
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								
GPU support	None								

Environmental specification	Environmental certification
<p>Temperature - operating A4: 5°C to 45°C (41°F to 113°F) A3: 5°C to 40°C (41°F to 104°F) A2: 10°C to 35°C (50°F to 95°F)</p> <p>Temperature - non operating (no package) -10°C to 60°C (14°F to 140°F)</p> <p>Temperature - non operating (with package) -40°C to 70°C (-40°F to 158°F)</p> <p>Altitude - operating (Unpressurized): 0-10000ft (0-3048m)</p> <p>Humidity - operating, non-condensing A4: 8%-90%. A3: 8%-85%. A2: 8%-80%</p> <p>Humidity - storage (with package), non-condensing 8%-90%</p> <p>Models should meet the following requirements to support A3 and A4:</p> <ul style="list-style-type: none"> <li>• Redundant power supplies required</li> <li>• No system fan fails</li> <li>• No NVMe drive</li> <li>• No rear two HS bays</li> <li>• Processor TDP is less than or equal to 140 watts, and no Intel Xeon 6140 or 6152 processor is installed</li> <li>• On 12x 3.5" models, no M.2 drives</li> </ul>	<p>Energy Star Server 2.1 certified. More environmental information please see: <a href="http://www.lenovo.com/social_responsibility/us/en/environment/">www.lenovo.com/social_responsibility/us/en/environment/</a></p>



Note: GbE port 1 and LOM port 1 support Wake-on-LAN and NC-SI. Riser cards, expansion cards, and LOM adapters are optional.

#### Expansion slots

Slot 1-2 (riser card 1)	Supports one of the following for riser card 1: Option 1: PCIe 3.0 x8/x16 (slot 1-2). Low profile for x8, low profile or full height half length for x16 Option 2: PCIe 3.0 x8/x8 ML2 (slot 1-2). Low profile
Slot 3 (riser card 2)	Option 1: PCIe 3.0 x8, low profile, for single processor model Option 2: PCIe 3.0 x16, low profile, for dual processor model When slot 2 is full height, slot 3 cannot be used

#### System unique options

7XH7A05892	ThinkSystem SR530/SR570 x8/x8ML2 PCIe LP+LP Riser 1 Kit
7XH7A02682	ThinkSystem SR530/SR570/SR630 x8/x16 PCIe LP+LP Riser 1 Kit
7XH7A05893	ThinkSystem SR530/SR570/SR630 x8/x16 PCIe LP+FH Riser 1 Kit
7XH7A05891	ThinkSystem SR530/SR570 x8 PCIe LP Riser 2 Kit
7XH7A02685	ThinkSystem SR530/SR570/SR630 x16 PCIe LP Riser 2 Kit
7Z17A02579	ThinkSystem SR530/SR570/SR630 Front VGA Connector Upgrade Kit
7Z17A02581	ThinkSystem 1U Security Bezel
7Z17A02577	ThinkSystem COM Port Upgrade Kit
4XH7A08762	ThinkSystem SR570 2.5" SATA/SAS 8-Bay Backplane Kit

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