ThinkSystem SR550 7X04A005EA

Region

 EMEA

Machine Type

7X04

TopSeller

TopSeller

Processor

1x Xeon Silver 4108 8C/1.8GHz/11MB/85W/DDR4-2400

Memory

1x 16GB RDIMM DDR4-2666 (1Rx4)

Storage Controller

1x 530-8i

Chassis

16x 2.5"

Disk Bays

8x 2.5" SATA/SAS HS

Disks

Open

M.2 Drives

None

Onboard Networking Ports

2x GbE RJ-45, 1x Mgmt

Additional Networking (LOM/ML2/PCIe)

None

Standard Extension Slots

1x LOM, 1x PCIe x8 LP

Available Extension Slots via Riser Cards

None

Front VGA

None

Optical

None

TPM TPM 1.2

System Management

XClarity Standard

Power Supply

1x 750W Platinum

Preload

None

Warranty

3-year

Ann Date (mm/yy)

07/17

Note:

Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "**" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries



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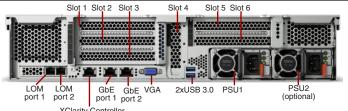
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ThinkSystem SR550 Platform Specifications

Components		ification	1								
Form factor	2U rack							_ E			
Dimensions	Height: 86.5 mm (3.4 in). Width: 482 mm (19.0 in) with rack latches. Depth: 763.7 mm (30.1 in)						╬				
Weight	Maximum configuration: 57.32 lb (26 kg)								_ F		
	Up to two 125W Intel Xeon Scalable family processors, Bronze, Silver, Gold, or								ļ		
Processor	Platinum. Up to 20 cores at 2.0GHz, up to 3.6GHz with 4 cores. Two processors are									e \	
	connected with two UPI (Ultra Path Interconnect) links up to 10.4GT/s								$-\parallel$		
Chipset	Intel C622 Platform Controller Hub										
Managan	Up to 12 DIMM sockets. Each processor supports up to 6 DIMM sockets with 6								F		
Memory	channels. DDR4-2666. RDIMMs and LRDIMMs are supported, but memory types									F	
	cannot be intermixed									╬	
Memory capacity		ith RDIMMs: Up to 384GB with 12 x 32 GB RDIMMs and two processors ith LRDIMMs: Up to 768GB with 12 x 64 GB LRDIMMs and two processors									
Memory protection					emory sparing		TIVIIVIO	and two pro	00000010	,	-
Momory protoction					A adapters:	1					\dashv
	Сиррс		lollowing	וו/טוו/ווט	A adapters.						
		RAID adapter	Interface	Drive type	RAID levels	JBOD	Cache	Cache protection	FastPath	Max qty	
	For SS	Onboard	6Gb SATA	SATA	0/1/10/5	Yes	None	ľ	No		
	bays	SATA 530-8i		S SATA/SAS		Yes	None		Yes	2	
		730-8i		SATA/SAS		Yes	1GB		No	2	
Storage controllers		930-8i	12Gbs SAS	SATA/SAS	0/1/10/5/50/6/60	Yes	2GB	Flash backup	Yes	2	
	For HS		12Gbs SAS	S SATA/SAS S SATA/SAS	0/1/10/5/50/6/60	Yes		Flash backup	Yes	2	l E
	bays	430-8i 430-16i		SATA/SAS	- -	Yes Yes	None None		-	1	
		430-8e	12Gbs SAS	SATA/SAS	-	Yes	None		-	6	٦
		430-16e	12Gbs SAS	SATA/SAS	-	Yes	None		-	6	
	L	•			0/1/10/5/50/6/60	Yes		Flash backup	Yes	6	
Disk drive bays	or 12	front 3.5	5" SATA/S	SAS HS b	e-swap bays, ays, or 8 front	or 8 fr	ont 3.			ays,	
Disk drive bays	or 12 or 16 Optior	front 3.5 front 2.5 nal one	5" SATA/S 5" SATA/S or two int	SAS HS bases as the second of	ays, or 8 front ays. SSD for boot	or 8 fi : 2.5"	ont 3. SATA/ I M.2 S	5" SATA/SA SAS HS bay SSD suppor	ys, ts mirro		
Disk drive bays	or 12 or 16 Optior	front 3.5 front 2.5	5" SATA/S 5" SATA/S or two int	SAS HS bases has been al M.2 dernal M.2 3.5" HDD, SA	ays, or 8 front ays. SSD for boot TA6Gbs, 7.2K	or 8 fi : 2.5"	ont 3. SATA/ I M.2 S	5" SATA/SA SAS HS bag SSD suppor 5/2TB/4TB/6TB/	ys, rts mirroi 8TB/10TB		_
Disk drive bays	or 12 or 16 Option For 3.5	front 3.5 front 2.5 nal one " SS bay	5" SATA/S 5" SATA/S or two int	SAS HS backernal M.2 B.5" HDD, SA B.5" HDD, SA	ays, or 8 front ays. SSD for boot TA6Gbs, 7.2K TA6Gbs, 7.2K	or 8 fi : 2.5"	ront 3. SATA/ I M.2 S	5" SATA/SA SAS HS bay SSD suppor 5/2TB/4TB/6TB/ 5/2TB/4TB/6TB/	ys, rts mirror 8TB/10TB 8TB/10TB		
Disk drive bays	or 12 or 16 Option For 3.5' For 3.5'	front 3.5 front 2.5 nal one " SS bay " bay sks or 2.5"	5" SATA/S 5" SATA/S or two int	SAS HS backernal M.2 B.5" HDD, SA B.5" HDD, SA	ays, or 8 front ays. SSD for boot TA6Gbs, 7.2K TA6Gbs, 7.2K	or 8 fi : 2.5"	ront 3. SATA/ I M.2 S 1TB 1TB	5" SATA/SA SAS HS bay SSD suppor 5/2TB/4TB/6TB/ 5/2TB/4TB/6TB/ 5/2TB/4TB/6TB/	ys, rts mirror 8TB/10TB 8TB/10TB		
Disk drive bays	or 12 or 16 Option For 3.5	front 3.5 front 2.5 nal one " SS bay " bay sks or 2.5"	5" SATA/S 5" SATA/S or two int	SAS HS backernal M.2 B.5" HDD, SA B.5" HDD, SA	ays, or 8 front ays. SSD for boot TA6Gbs, 7.2K TA6Gbs, 7.2K S12Gbs, 7.2K S12Gbs, 15K	or 8 fi : 2.5"	1 M.2 S 1 TE 1 TE 1 TE 300	5" SATA/SA SAS HS bay SSD suppor 5/2TB/4TB/6TB/ 5/2TB/4TB/6TB/	ys, rts mirror 8TB/10TB 8TB/10TB		
	or 12 or 16 Option For 3.5' For 3.5'	front 3.5 front 2.5 nal one " SS bay " bay sks or 2.5"	5" SATA/S 5" SATA/S or two int	SAS HS bases has been all M.2 B.5" HDD, SA B.5" HDD, SA B.5" HDD, SA B.5" HDD, SA D.5" HDD, SA D.5" HDD, SA D.5" HDD, SA	ays, or 8 front ays. SSD for boot TA6Gbs, 7.2K TA6Gbs, 7.2K S12Gbs, 7.2K S12Gbs, 15K	or 8 fi : 2.5"	Tont 3. SATA/ I M.2 S 1TB 1TB 1TB 300 240	5" SATA/SA SAS HS bay SSD suppor 1/2TB/4TB/6TB/ 1/2TB/4TB/6TB/ 1/2TB/4TB/6TB/ GB/600GB	ys, rts mirror 8TB/10TB 8TB/10TB		1
	or 12 or 16 Option For 3.5' For 3.5'	front 3.5 front 2.5 nal one " SS bay " bay sks or 2.5"	5" SATA/S 5" SATA/S or two int	SAS HS b. SAS HS b. ternal M.2 3.5" HDD, SA 3.5" HDD, SA 3.5" HDD, SA 2.5" HDD, SA 2.5" SSD, SA 2.5" HDD, SA 2.5" HDD, SA	ays, or 8 front ays. SSD for boot TA6Gbs, 7.2K TA6Gbs, 7.2K S12Gbs, 15K TA6Gbs TA6Gbs, 7.2K S12Gbs, 7.2K	or 8 fi : 2.5"	TONT 3. SATA/ I M.2 S ITE ITE ITE 300 240 ITE ITE	5" SATA/SA SAS HS bay SSD suppor WZTB/4TB/6TB/ WZTB/4TB/6TB/ WZTB/4TB/6TB/ GB/600GB GB/480GB WZTB	ys, rts mirrol 8TB/10TB 8TB/10TB 10TB	ring	E
	or 12 or 16 Option For 3.5' For 3.5' (3.5" dia 3.5" tra	front 3.5 front 2.5 nal one " SS bay " bay sks or 2.5" y)	5" SATA/S 5" SATA/S or two int	SAS HS bases HS bases HS bases HS bases HS bases HS bases HDD, SA 3.5" HDD, SA 3.5" HDD, SA 2.5" HDD, SA 3.5" HDD, SA 3.5" HDD, SA	ays, or 8 front ays. SSD for boot TA6Gbs, 7.2K TA6Gbs, 7.2K S12Gbs, 7.2K S12Gbs, 15K TA6Gbs TA6Gbs, 7.2K S12Gbs, 7.2K S12Gbs, 7.2K	or 8 fi : 2.5"	TONT 3. SATA/ I M.2 \$ 1TE 1TE 1TE 300 240 1TE 1TE 300	5" SATA/SA SAS HS bay SSD suppor 1/2TB/4TB/6TB/ 1/2TB/4TB/6TB/ 1/2TB/4TB/6TB/ GB/600GB GB/480GB 1/2TB 1/2TB GB/600GB/900	ys, rts mirrol 8TB/10TB 8TB/10TB 10TB	ring	E
Disk drive bays	or 12 or 16 Option For 3.5' For 3.5'	front 3.5 front 2.5 nal one " SS bay " bay sks or 2.5" y)	5" SATA/S " SATA/S or two int	SAS HS bases HS bases HS bases HS bases HS bases HS bases HDD, SA 3.5" HDD, SA 2.5" HDD, SA	ays, or 8 front ays. SSD for boot TA6Gbs, 7.2K S12Gbs, 7.2K S12Gbs, 7.2K S12Gbs, 15K TA6Gbs TA6Gbs, 7.2K S12Gbs, 7.2K S12Gbs, 7.2K S12Gbs, 10K S12Gbs, 10K	or 8 fi : 2.5"	ront 3. SATA/ I M.2 \$	5" SATA/SA SAS HS bay SSD suppor 1/2TB/4TB/6TB/ 1/2TB/4TB/6TB/ 1/2TB/4TB/6TB/ 1/2TB/4HOGB GB/480GB 1/2TB GB/600GB/900 GB/600GB	ys, rts mirror 8TB/10TB 8TB/10TB 10TB	ring	E
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	or 12 or 16 Option For 3.5' For 3.5' (3.5" dia 3.5" tra	front 3.5 front 2.5 nal one " SS bay " bay sks or 2.5" y)	5" SATA/S " SATA/S or two int	SAS HS b. SAS HS b. SAS HS b. Lernal M.2 S.5" HDD, SA	ays, or 8 front ays. SSD for boot TA6Gbs, 7.2K TA6Gbs, 7.2K S12Gbs, 15K TA6Gbs TA6Gbs TA6Gbs, 7.2K S12Gbs, 7.2K S12Gbs, 10K S12Gbs, 10K S12Gbs, 15K S12Gbs, 15K	or 8 fi : 2.5"	ront 3. SATA/ I M.2 \$	5" SATA/SA SAS HS bay SSD suppor V/2TB/4TB/6TB/ V/2TB/4TB/6TB/ GB/600GB GB/480GB V/2TB GB/600GB/900 GB/600GB GB/800GB/3.84 GB/800GB/3.84 GB/480GB	ys, rts mirror 8TB/10TB 8TB/10TB 10TB	ring	E
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Internal storage	or 12 or 16 Option For 3.5' For 3.5' (3.5" dia 3.5" tra	front 3.5 front 2.5 nal one (" SS bay " bay sks or 2.5" y)	" SATA/S" SATA/S or two int	SAS HS b. SAS HS b. SAS HS b. Gernal M.2 18.5" HDD, SA 18.5" SSD, SA 18.5" SSD, SA 18.2 SATA SS 19.5" Optional	ays, or 8 front ays. SSD for boot TA6Gbs, 7.2K TA6Gbs, 7.2K S12Gbs, 7.2K S12Gbs, 15K TA6Gbs TA6Gbs, 7.2K S12Gbs, 7.2K S12Gbs, 10K S12Gbs, 15K S12Gbs, 15K S12Gbs	or 8 ft 2.5" t, dua	ont 3. SATA/ SATA/ I M.2 S ITE ITE ITE 300 240 326 400 326 ical di	5" SATA/SA SAS HS bay SSD suppor V/2TB/4TB/6TB/ V/2TB/4TB/6TB/ GB/600GB GB/480GB V/2TB GB/600GB/900 GB/600GB/900 GB/600GB/900 GB/600GB/900 GB/600GB/900 GB/600GB/900 GB/600GB/900 GB/600GB/900 GB/600GB/900 GB/600GB/900 GB/600GB/900 GB/600GB/900 GB/600GB/900 GB/600GB/900 GB/600GB/900 GB/600GB/900 GB/600GB/900 GB/600GB/900	ys, "ts mirror 8TB/10TB 8TB/10TB 10TB 10TB 4TB	ring	5
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Internal storage Optical	or 12 or 16 Option For 3.5' For 3.5' (3.5" trate No int Integrecustor adapti Up to	front 3.5 front 2.5 front 2.5 front 2.5 front 2.5 front 2.5 sylvariated on the state of the state of the state 2.5 front 2.5 f	s" SATA/S s" SATA/S or two int disks with totical bay e dedicat OM with supporte ts suppo	SAS HS b. SAS HS b. SAS HS b. Eernal M.2 3.5" HDD, SA 3.5" HDD, SA 3.5" HDD, SA 2.5" SSD, SA M.2 SATA SS Optional ed manag two RJ-45 d. ML2 ad rts Wake-	ays, or 8 front ays. SSD for boot TA6Gbs, 7.2K TA6Gbs, 7.2K S12Gbs, 15K TA6Gbs TA6Gbs TA6Gbs TA6Gbs TA6Gbs, 7.2K S12Gbs, 15K S12Gbs, 15K S12Gbs, 15K S12Gbs, 15K S12Gbs TA6Gbs D USB DVD±R' gement port p or SFP+ por	W opt lus tw ts, up	ront 3. SATA/ SATA/ I M.2 \$ 11TE 11TE 300 240 11TE 11TE 300 240 100 240 200 200 200 200 200 200 200 200 2	5" SATA/SA SAS HS bay SSD suppor V/2TB/4TB/6TB/ V/2TB/4TB/6TB/ V/2TB/4TB/6TB/ GB/600GB GB/600GB/900 GB/600GB/900 GB/800GB/3.84 GB/480GB IB/128GB Tive E ports. One Gb/E. Optior with ML2 slight)	ys, tts mirror 8TB/10TB 8TB/10TB 10TB 10TB 4TB 4TB 4 LOM sl nal ML2 oot.	ning 1.8TB ot for or PCI	le S
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	Components	Specification					
	Base warranty	MT 7X03: 1-year limited onsite service with 9x5/NBD					
	Dago warranty	MT 7X04: 3-year limited onsite service with 9x5/NBD					
	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					
Video		Integrated Matrox G200 in XClarity Controll	er				
-	Cooling	Three fans (2+1) for single processor model, four fans (3+1) for dual processor model					
	Front ports	One XClarity Controller USB, one USB 3.0, one optional VGA					
	Rear ports	One VGA, two USB 3.0, two ethernet (RJ-45) one XClarity Controll Optional COM port					
		Supports ASHRAE A4 with limitations.					
		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)				
	∥ _	Temperature - non operating (no package)	-10°C to 60°C (14°F to 140°F)				
	Environmental	Temperature - non operating (with package)	-40°C to 70°C (-40°F to 158°F)				
	specification	Altitude - operating	(Unpressurized): 0-10000ft (0-3048m)				
		Humidity - operating, non-condensing	A4: 8%~90%. A3:8%~85%. A2:20%~80%				
		Humidity - storage (with package), non-condensing 8%~90%					
		Models should meet the following requirements to support A3 and A4: • Redundant power supplies required • No system fan fails					
Environmental certification		Energy Star Server 2.1 certified. More environmental information please see: www.lenovo.com/social_responsibility/us/en/environment/					



XClarity Controller network connector

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

xpansion slots

Slot 1-3 (riser card 1)	Supports one of the following for riser card 1:
,	Option 1: PCle 3.0 x8/x8/x8 (slot 1-3). Full height, half length.
	Option 2: PCle 3.0 x16/x8 (slot 1 and 3). Full height, half length
	Option 3: PCIe 3.0 x8/x8/x8 ML2 (slot 1-3). Full height, half length
Slot 4 (onboard)	PCIe 3.0 x8, low profile
Slot 5 (riser card 2)	PCIe 3.0 x16, full height, half length, requires 2nd CPU
Slot 6 (riser card 2)	PCIe 3.0 x8, full height, half length

System unique options

/XH/A02680	Lenovo SR550/SR590/SR650 x8/x8/x8ML2 PCIe FH Riser 1 Kit
7XH7A02679	Lenovo SR550/SR590/SR650 (x16/x8)/(x16/x16) PCIe FH Riser 2 Kit
7XH7A02678	Lenovo SR550/SR590/SR650 x16/x8 PCle FH Riser 1 Kit
7XH7A02677	Lenovo SR550/SR590/SR650 x8/x8/x8 PCIe FH Riser 1 Kit
7Z17A02578	Lenovo SR550/SR590/SR650 EIA Latch w/ VGA Upgrade Kit
7XH7A06254	Lenovo SR550/SR650 2.5" SATA/SAS 8-Bay Backplane Kit
7Z17A02580	Lenovo 2U Security Bezel
7Z17A02577	Lenovo COM Port Upgrade Kit







