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

ThinkSystem SR550 Platform Specifications

Product Specifications Reference (PSREF)

Components	Specification
Form factor	2U rack
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)
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
Chipset	Intel C622 Platform Controller Hub
Memory	Up to 12 DIMM sockets. Each processor supports up to 6 DIMM sockets with 6 channels. DDR4-2666. RDIMMs and LRDIMMs are supported, but memory types cannot be intermixed
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
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	-
For HS bays	530-8i	12Gbs SAS	SATA/SAS	0/1/10/5/50	Yes	None	None	Yes	2
	730-8i	12Gbs SAS	SATA/SAS	0/1/10/5/50	Yes	1GB	None	No	2
	930-8i	12Gbs SAS	SATA/SAS	0/1/10/5/50/6/60	Yes	2GB	Flash backup	Yes	2
	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	-	2
	430-16i	12Gbs SAS	SATA/SAS	-	Yes	None	None	-	1
	430-8e	12Gbs SAS	SATA/SAS	-	Yes	None	None	-	6
	430-16e	12Gbs SAS	SATA/SAS	-	Yes	None	None	-	6
	930-8e	12Gbs SAS	SATA/SAS	0/1/10/5/50/6/60	Yes	4GB	Flash backup	Yes	6

Note: 730-8i is available in China only. All RAID/HBA adapters should be placed in slot 4 firstly.

Components	Specification
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. 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/10TB
For 3.5" bay (3.5" disks or 2.5" disks with 3.5" tray)	3.5" HDD, SATA6Gbs, 7.2K	1TB/2TB/4TB/6TB/8TB/10TB
	3.5" HDD, SAS12Gbs, 7.2K	1TB/2TB/4TB/6TB/10TB
	2.5" HDD, SAS12Gbs, 15K	300GB/600GB
	2.5" SSD, SATA6Gbs	240GB/480GB
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, 15K	300GB/600GB
	2.5" SSD, SAS12Gbs	400GB/800GB/3.84TB
	2.5" SSD, SATA6Gbs	240GB/480GB
	M.2 SATA SSD	32GB/128GB

Components	Specification
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 7.4/7.3/6.9. SUSE Linux Enterprise Server 12 SP3/12 SP2/11 SP4. VMware ESXi 6.5U1/6.5/6.0 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

Components	Specification
Base warranty	MT 7X03: 1-year limited onsite service with 9x5/NBD 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 Controller
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 Controller connector. Optional COM port

Environmental specification — 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)
Temperature - non operating (with package)	-40°C to 70°C (-40°F to 158°F)
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/

Slot 1 Slot 2 Slot 3   Slot 4   Slot 5 Slot 6

LOM port 1 LOM port 2 GbE port 1 GbE port 2 VGA 2xUSB 3.0 PSU1 PSU2 (optional)

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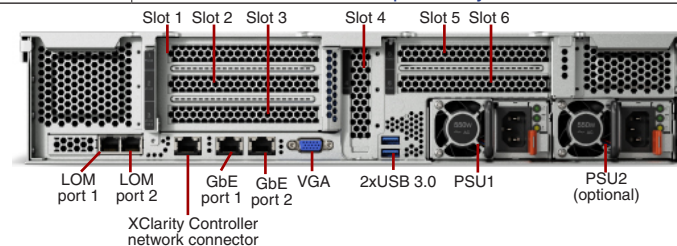
Note: GbE port 1 and LOM port 1 support Wake-on-LAN and NC-SI. Riser cards, expansion cards, and LOM adapters are optional.

Expansion slots

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. Option 2: PCIe 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

7XH7A02680	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 PCIe 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

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