ThinkSystem SR630 7X02A05CLA

Region
LA

Machine Type
7X02

TopSeller
No

Processor
1x Xeon Silver 4116
12C/2.1GHz/16.5MB/85W/DDR4-2400

Memory
1x 16GB RDIMM DDR4-2666

Storage Controller
1x 930-8i 2GB Flash

Chassis
8x 2.5"

Disk Bays
8x 2.5" SATA/SAS HS

Disks
Open

M.2 Drives
None

GPU
None

Networking (LOM/ML2/PCIe)
None

Available PCIe Slots
1x LP x8/1x LP x16/1x RAID slot

Front VGA
Front VGA

Security
TPM 1.2

System Management
XClarity Standard

Power Supply
1x 750W Platinum

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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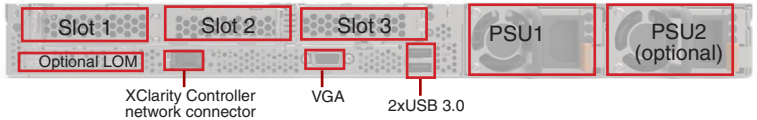
ThinkSystem SR630 Platform Specifications

Components	Specification
Form factor	1U rack
Dimensions	Height: 43 mm (1.7 in). Width: 482 mm (19.0 in) with rack latches. Depth: 778.3 mm (30.64 in)
Weight	Maximum configuration: 41.9 lb (19 kg)
Processor	Up to two 205W Intel Xeon Scalable family processors, Bronze, Silver, Gold, or Platinum. Up to 28 cores at 2.5GHz, 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 C624 Platform Controller Hub
Memory	Up to 24 DIMM sockets. Each processor supports up to 12 DIMM sockets with 6 channels. DDR4-2666. RDIMMs, LRDIMMs, 3DS RDIMMs are supported, but memory types cannot be intermixed
Memory capacity	Up to 768GB with 24 x 32 GB RDIMMs and two processors. Or up to 1.5TB with 24 x 64 GB LRDIMMs and two processors. Or up to 3TB with 24 x 128 GB 3DS LRDIMMs and two -M suffix processors. -M suffix processor supports 1.5TB memory per socket, non -M suffix processor supports 768GB memory per socket
Memory protection	ECC, memory mirroring, and memory sparing
Storage controllers	One dedicated internal RAID slot for most RAID/HBA adapters. Supports the following RAID/HBA adapters: Feature / Interface / Drive type / RAID levels / JBOD / Cache / Cache protection / FastPath / Max qty 530-8i / 12Gbps SAS / SATA/SAS / 0/1/10/5/50 / Yes / None / None / Yes / 1 730-8i / 12Gbps SAS / SATA/SAS / 0/1/10/5/50 / Yes / 1GB / None / No / 1 930-8i / 12Gbps SAS / SATA/SAS / 0/1/10/5/50/6/60 / Yes / 2GB / Flash backup / Yes / 1 930-16i / 12Gbps SAS / SATA/SAS / 0/1/10/5/50/6/60 / Yes / 4GB / Flash backup / Yes / 1 430-8i / 12Gbps SAS / SATA/SAS / - / Yes / None / None / - / 1 430-16i / 12Gbps SAS / SATA/SAS / - / Yes / None / None / - / 1 930-8e / 12Gbps SAS / SATA/SAS / 0/1/10/5/50/6/60 / Yes / 4GB / Flash backup / Yes / 2 430-8e / 12Gbps SAS / SATA/SAS / - / Yes / None / None / - / 2 430-16e / 12Gbps SAS / SATA/SAS / - / Yes / None / None / - / 2 *Note: 730-8i is available in China only. 930-8e, 430-8e, and 430-16e will be placed in slot 2 firstly.*
Disk drive bays	Supports 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 support, or 10 front 2.5" AnyBay Optional 2 rear 2.5" HS bays are supported on 10 x 2.5" model, takes place in riser card 1 location. Optional one or two internal M.2 SSD for boot, dual M.2 SSD supports mirroring
Internal storage	For 3.5" bay (3.5" disks or 2.5" disks with 3.5" tray): 3.5" HDD, SATA6Gbps, 7.2K: 1TB/2TB/4TB/6TB/8TB/10TB; 3.5" HDD, SAS12Gbps, 7.2K: 1TB/2TB/4TB/4TB SED FIPS/6TB/10TB; 2.5" HDD, SAS12Gbps, 15K: 300GB/600GB; 2.5" SSD, SATA6Gbps: 240GB/480GB For 2.5" bay: 2.5" HDD, SATA6Gbps, 7.2K: 1TB/2TB; 2.5" HDD, SAS12Gbps, 7.2K: 1TB/2TB; 2.5" HDD, SAS12Gbps, 10K: 300GB/300GB SED/600GB/600GB SED/900GB/1.2TB/1.8TB; 2.5" HDD, SAS12Gbps, 15K: 300GB/600GB/900GB; 2.5" SSD, SAS12Gbps: 400GB/800GB/3.84TB/7.68TB; 2.5" SSD, SATA6Gbps: 240GB/480GB; 2.5" NVMe SSD, AnyBay: 800GB/960GB/1.6TB/1.92TB/3.84TB PCIe 3.0 x4, HHHL adapter: NVMe SSD: 1.6TB/1.92TB/3.2TB/3.84TB M.2 boot drive: M.2 SATA SSD: 32GB/128GB/480GB
Optical	No internal optical bay. Optional USB DVD±RW optical drive
Network interfaces	One dedicated management port. One LOM slot for customized LOM with up to four RJ-45 or SFP+ ports, up to 10GbE. Wake-on-LAN and NC-SI are available on Port 0 of LOM. Optional ML2 or PCIe adapters are supported. ML2 adapter requires riser card with ML2 slot.
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

Components	Specification
GPU support	Up to one optional GPU, requires riser card with PCIe x16 full height slot. Supports NVIDIA Quadro P2000
Base warranty	MT 7X01: 1-year limited onsite service with 9x5/NBD MT 7X02: 3-year limited onsite service with 9x5/NBD
Power supply	Up to two redundant hot-swap 550W/750W/1100W 80 PLUS Platinum qualified power supplies. Or up to two redundant hot-swap 750W Titanium qualified power supplies. 750W Titanium is 200V - 240V, others are 100V - 240V
Video	Integrated Matrox G200 in XClarity Controller
Cooling	Five fans (4+1) for single processor model, seven fans (6+1) for dual processor model
Front ports	One XClarity Controller USB connector, one USB 3.0, one optional VGA
Rear ports	One VGA, two USB 3.0, one XClarity Controller network 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%. A2:8%~80% Humidity - storage (with package), non-condensing: 8%~90% *Models should meet the following requirements to support A3 and A4:* • *Processors with TDP higher than or equal to 150-Watt and Xeon 4112, 5122, 6126, 6128, 6132, 6134, 6134M, and 8156 processors not installed* • *Both NVMe 2.5" SSD and NVMe PCIe adapter not installed* • *GPU not installed* • *Must have redundant PSU* • *RAID super capacitor module cannot be installed on the bottom of the air baffle, but only can be installed on the chassis.*
Environmental certification	Energy Star Server 2.1 certified. More environmental information please see: www.lenovo.com/social_responsibility/us/en/environment/



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 ML2/x16 (slot 1-2). Low profile for x8 ML2, low profile or full height half length for x16 Option 3: PCIe 3.0 x16 ML2/x8 (slot 1-2). Low profile for x16 ML2, low profile or full height half length for x8 Option 4: 2x 2.5" drive bay, for 10 x 2.5" model only
Slot 3 (riser card 2)	PCIe 3.0 x 16, low profile, requires 2nd CPU. When slot 2 is full height, slot 3 cannot be used

System unique options

7XH7A05896	Lenovo SR530/SR570/SR630 2.5" SATA/SAS 8-Bay Backplane Kit
7XH7A05893	Lenovo SR530/SR570/SR630 x8/x16 PCIe LP+FH Riser 1 Kit
7XH7A05895	Lenovo SR630 x16ML2/x8 PCIe LP+FH Riser 1 Kit
7XH7A05894	Lenovo SR630 x8ML2/x16 PCIe LP+FH Riser 1 Kit
7XH7A02682	Lenovo SR530/SR570/SR630 x8/x16 PCIe LP+LP Riser 1 Kit
7XH7A02683	Lenovo SR630 x8ML2/x16 PCIe LP+LP Riser 1 Kit
7XH7A02684	Lenovo SR630 x16ML2/x8 PCIe LP+LP Riser 1 Kit
7XH7A02685	Lenovo SR530/SR570/SR630 x16 PCIe LP Riser 2 Kit
7XH7A06252	Lenovo SR630 Rear HDD Kit
7Z17A02577	Lenovo COM Port Upgrade Kit
7Z17A02579	Lenovo SR530/SR570/SR630 Front VGA Connector Upgrade Kit
7Z17A02581	Lenovo 1U Security Bezel

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