Lenovo ThinkSystem SR570 Server (Xeon SP Gen 2)
Product Guide

Lenovo ThinkSystem SR570 is a 2-socket 1U rack server for small businesses up to large enterprises that need industry-leading reliability, management, and security, as well as the balance of performance, memory, and flexible storage configurations. The SR570 server is designed to handle a wide range of workloads, such as virtualization and cloud computing, infrastructure security, web serving, and application development.

Featuring the second generation of the Intel Xeon Processor Scalable Family (Xeon SP Gen 2), the SR570 server offers balanced performance and storage capacity. The SR570 server supports up to two processors, up to 2933 MHz memory speed, up to 1 TB of memory capacity with TruDDR4 RDIMMs or up to 2.75 TB of memory capacity with a combination of TruDDR4 RDIMMs and Intel DC persistent memory modules (DCPMMs), up to 10x 2.5-inch or 4x 3.5-inch drive bays with an extensive choice of NVMe PCIe SSDs, SAS/SATA SSDs, and SAS/SATA HDDs, and flexible I/O expansion options with a LOM slot and up to 3x PCIe slots.

The SR570 server offers basic software RAID or advanced hardware RAID protection and a wide range of networking options, including selectable LOM, ML2, and PCIe network adapters. The next-generation Lenovo XClarity Controller, which is built into the SR570 server, provides advanced service processor control, monitoring, and alerting functions.

The following figure shows the Lenovo ThinkSystem SR570 models.

Figure 1 Lenovo ThinkSystem SR570: 8x SFF (left) or 4x LFF (right) drive bays

Did you know?

The SR570 server features a unique AnyBay design that allows a choice of drive interface types in the same drive bay: SAS drives, SATA drives, or U.2 NVMe PCIe drives.

The SR570 server offers onboard NVMe PCIe ports that allow direct connections to the U.2 NVMe PCIe SSDs, which frees up I/O slots and helps lower NVMe solution acquisition costs.

The SR570 server delivers impressive compute power per watt, featuring 80 PLUS Titanium and Platinum redundant power supplies that can deliver 96% (Titanium) or 94% (Platinum) efficiency at 50% load when connected to a 200 - 240 V AC power source.

The SR570 server is designed to meet ASHRAE A4 standards (up to 45 °C [113 °F]) in select configurations, which enable customers to lower energy costs, while still maintaining world-class reliability.

Key features

The SR570 server offers a balance of processing power, expandability, and cost for small and medium businesses up to the large enterprise. Ease of use and comprehensive systems management tools help make deployment easier. Outstanding reliability, availability, and serviceability (RAS) and high-efficiency design improve your business environment and help save operational costs.

Scalability and performance

The SR570 server offers numerous features to boost performance, improve scalability, and reduce costs:

- Improves productivity by offering superior system performance with the second generation of the Intel Xeon Processor Scalable Family with up to 24-core processors, up to 35.75 MB of last level cache (LLC), up to 2933 MHz memory speeds, and up to 10.4 GT/s Ultra Path Interconnect (UPI) links.
  - Support for up to two processors, 48 cores, and 96 threads allows to maximize the concurrent execution of multithreaded applications.
  - Intelligent and adaptive system performance with energy efficient Intel Turbo Boost 2.0 Technology allows CPU cores to run at maximum speeds during peak workloads by temporarily going beyond processor thermal design power (TDP).
  - Intel Hyper-Threading Technology boosts performance for multithreaded applications by enabling up to two simultaneous threads within each processor core.
  - Intel Virtualization Technology integrates hardware-level virtualization hooks that allow operating system vendors to better utilize the hardware for virtualization workloads.
  - Intel Speed Select Technology provides improvements in server utilization and guaranteed per-core performance service levels with more granular control over processor performance.
  - Intel Deep Learning Boost (Vector Neural Network Instruction set [VNNI]) is designed to deliver significant, more efficient Deep Learning (Inference) acceleration for high-performance Artificial Intelligence (AI) workloads.
  - Intel Advanced Vector Extensions 512 (AVX-512) enable acceleration of enterprise-class and high performance computing (HPC) workloads.
- Helps maximize system performance for data intensive applications with up to 2933 MHz memory speeds and up to 1 TB of memory capacity.
- Boosts the performance of data-intensive applications and delivers consistent service levels at scale for virtualized and cloud environments by using the innovative persistent memory technology that provides a unique combination of affordable large memory capacity and non-volatility for up to 2.75 TB of total server memory capacity, including RDIMMs and DCPMMs (DC persistent memory modules).
- Offers flexible and scalable internal storage in a 1U rack form factor with up to 10x 2.5-inch drives for performance-optimized configurations or up to 4x 3.5-inch drives for capacity-optimized configurations, providing a wide selection of SAS/SATA HDD/SSD and PCIe NVMe SSD types and capacities.
- Provides flexibility to use SAS, SATA, or NVMe PCIe drives in the same drive bays with a unique AnyBay design.
- Provides I/O scalability with the LOM slot and up to three PCI Express (PCIe) 3.0 I/O expansion slots in a 1U rack form factor.
- Reduces I/O latency and increases overall system performance with Intel Integrated I/O Technology that embeds the PCI Express 3.0 controller into the Intel Xeon Processor Scalable Family.

Availability and serviceability

The SR570 server provides many features to simplify serviceability and increase system uptime:

- Offers protection in the event of a non-correctable memory failure with Single Device Data Correction (SDDC, also known as Chipkill, requires x4-based DIMMs), Adaptive Double Device Data Correction (ADDDC, also known as Redundant Bit Steering [RBS], requires x4-based DIMMs and Intel Xeon Gold or Platinum processors), memory mirroring, and memory rank sparing.
- Provides easy access to upgrades and serviceable parts (such as processors, memory DIMMs, and adapter cards) with tool-less cover removal.

- Offers affordable data protection with software RAID and Simple Swap drives and advanced hardware RAID data redundancy with hot-swap drives.
- Provides availability for business-critical applications with redundant hot-swap power supplies and redundant hot-swap fans.
- Simplifies servicing and speeds up problem resolution with light path diagnostics.
- Allows preventive actions in advance of possible failure, thereby increasing server uptime and application availability with Proactive Platform Alerts (including PFA and SMART alerts) for processors, voltage regulators, memory, internal storage (SAS/SATA HDDs and SSDs, NVMe SSDs, M.2 storage), fans, power supplies, RAID controllers, and server ambient and sub-component temperatures.
- Continuously monitors system parameters, triggers alerts, and performs recovery actions in case of failure to minimize downtime with Built-in XClarity Controller (XCC).
- Provides quick access to system status, firmware, network, health, and alerts information via Virtual Operator Panel from the XClarity Mobile App running on the Android or iOS mobile device that is connected to the front USB port with XClarity Controller access.
- Speeds up troubleshooting tasks to reduce service time with diagnostics built into the XClarity Provisioning Manager.

Manageability and security

Powerful systems management features simplify local and remote management of the SR570 server and deliver enterprise-class data protection:

- Provides advanced service processor control, monitoring, and alerting functions with XClarity Controller, a next generation service processor.
- Improves Unified Extensible Firmware Interface (UEFI) system setup, configuration, updates, simplified error handling, and operating system deployment with the embedded XClarity Provisioning Manager.
- Offers XClarity Essentials software tools that can help you set up, use, and maintain the server.
- Increases uptime, reduces costs, and improves productivity through advanced server management capabilities with Lenovo XClarity Administrator that provides comprehensive hardware management.
- Provides on-the-go monitoring and management of devices in XClarity Administrator from anywhere with the Lenovo XClarity mobile app, which can help improve efficiency and reduce downtime risks.
- Centralizes infrastructure resource management with Lenovo XClarity Integrators for VMware vCenter and Microsoft System Center, extending XClarity Administrator features to virtualization management software tools and enabling users to deploy and manage infrastructure end-to-end.
- Offers advanced cryptographic functionality (such as digital signatures and remote attestation) with an integrated Trusted Platform Module (TPM) or optional Trusted Cryptographic Module (TCM) or Nationz TPM (available only in PRC).
- Keeps user data safe with Lenovo Business Vantage, a security software tool suite designed to work with the Trusted Cryptographic Module (available only in PRC).
- Offers enterprise-class data protection with advanced RAID and optional self-encrypting drives.
- Provides faster, stronger encryption with industry-standard AES NI support.
- Helps prevent certain classes of malicious buffer overflow attacks with Intel Execute Disable Bit functionality, when combined with a supporting operating system.
- Enhances security through hardware-based resistance to malicious software attacks with Intel Trusted Execution Technology, allowing an application to run in its own isolated space, protected from all other software running on a system.

Energy efficiency

The SR570 server offers the following energy-efficiency features to save energy, reduce operational costs, increase energy availability, and contribute to the green environment:

- Delivers impressive compute power per watt, featuring 80 PLUS Titanium and Platinum redundant power supplies.
- Enables customers to lower energy costs with design to meet ASHRAE A4 in select configurations.
- Reduces power drawn with Intel Intelligent Power Capability that powers individual processor elements on and off as needed.
- Helps reduce power consumption with variable speed fans.
- Helps achieve lower heat output and reduced cooling needs with Lenovo XClarity Energy Manager that provides advanced data center power notification, analysis, and policy-based management.

Components and connectors

The following figure shows the front of the SR570 server with four 3.5-inch drive bays.
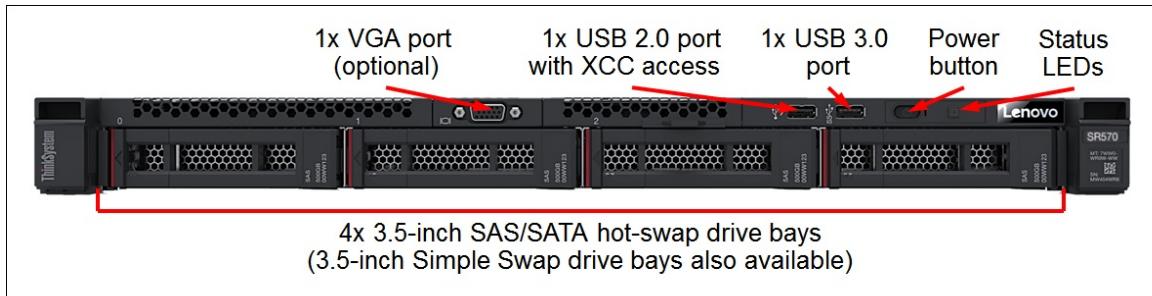

Figure 2. Front view of the SR570: 4x 3.5-inch drive bays

The following figure shows the front of the SR570 server with eight 2.5-inch drive bays.
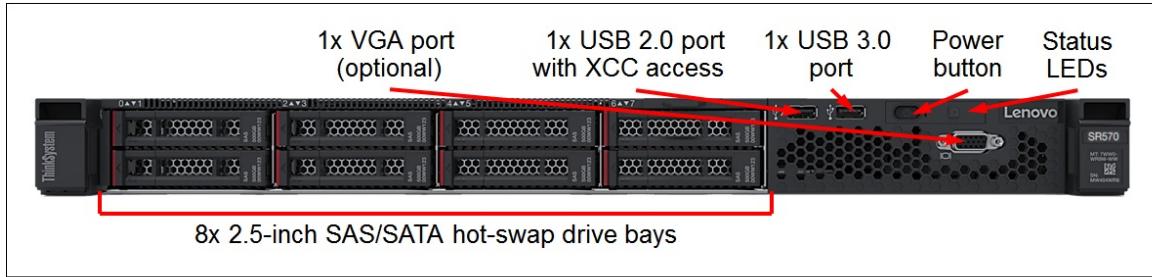
Figure 3. Front view of the SR570: 8x 2.5-inch drive bays

The following figure shows the front of the SR570 server with ten 2.5-inch drive bays.
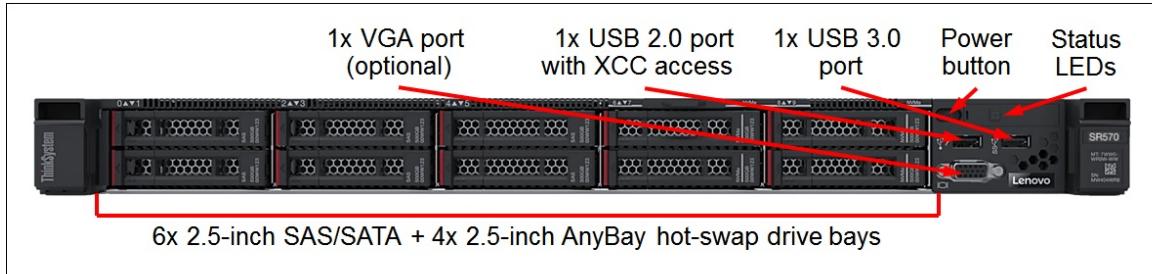
Figure 4. Front view of the SR570: 10x 2.5-inch drive bays

The front of the SR570 server includes the following components:

- 4x 3.5-inch, or 8x 2.5-inch, or 10x 2.5-inch hot-swap drive bays.
- One VGA port (optional).
- One USB 3.0 port.
- One USB 2.0 port with XClarity Controller access.
- Power button.
- Status LEDs.

The following figure shows the rear of the SR570 server with three PCIe low profile slots.
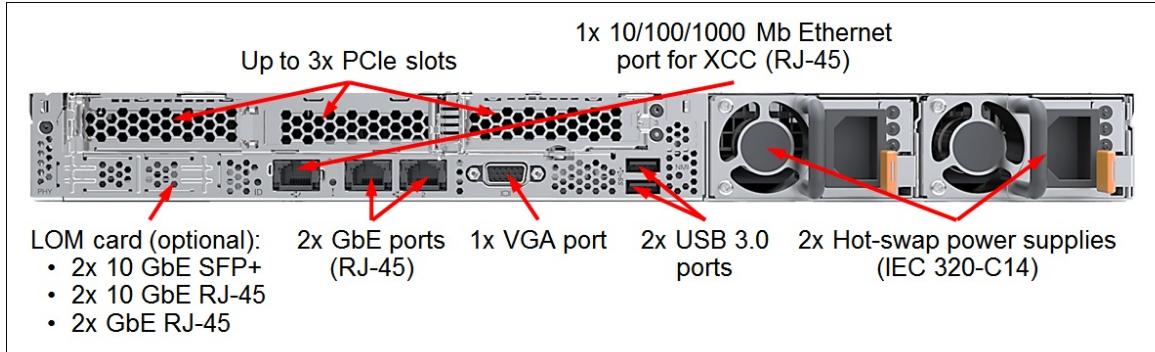
Figure 5. Rear view of the SR570

The rear of the SR570 server includes the following components:

- Up to three PCIe expansion slots (depending on the riser cards selected).
- One LOM card slot.
- Two 1 GbE onboard network ports.
- One 1 GbE port for XClarity Controller.
- One VGA port.
- Two USB 3.0 ports.
- Up to two hot-swap power supplies.

The following figure shows the locations of key components inside the SR570 server.
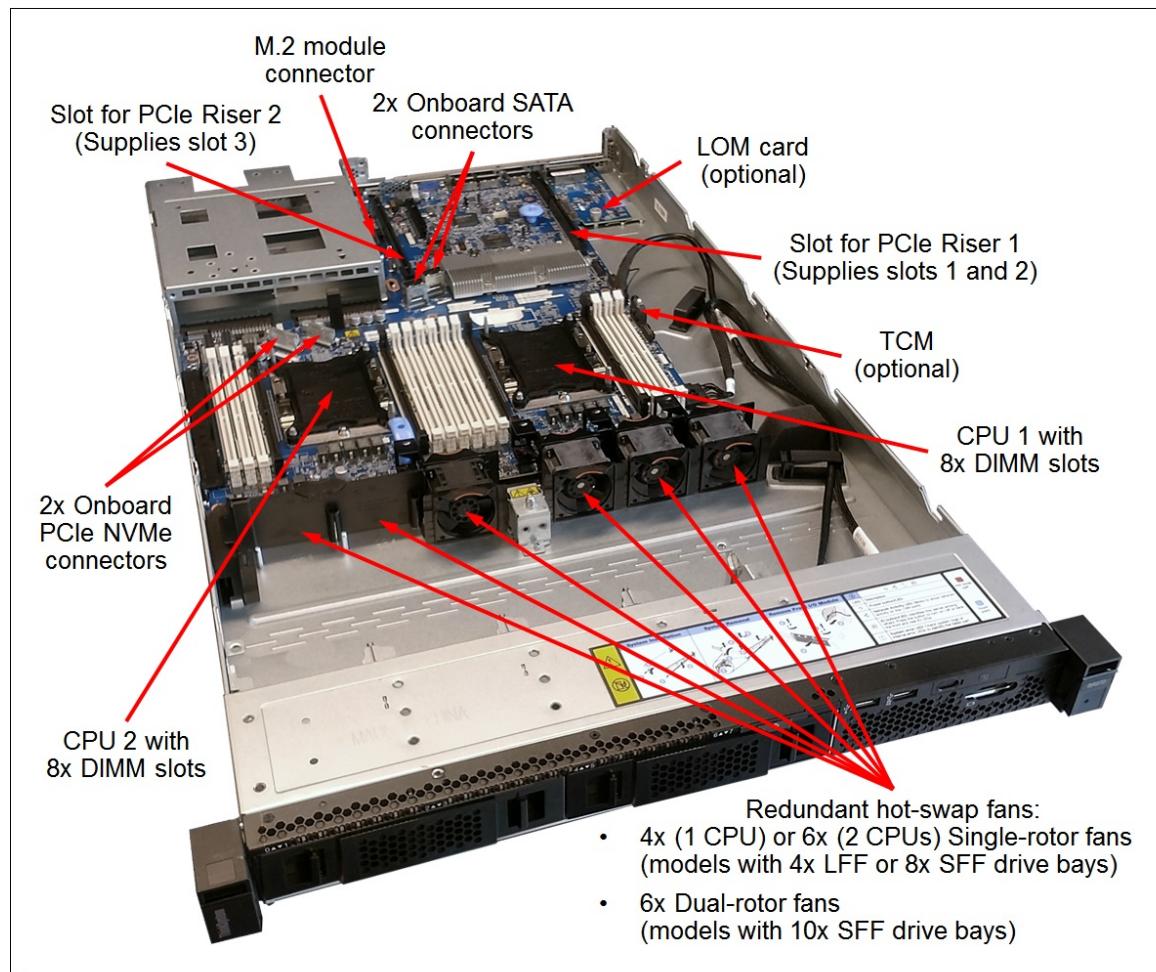
Figure 6. Internal view of the SR570

The following key components are located inside the SR570 server:

- Up to two processors.
- 16 DIMM slots (8 DIMM slots per processor).
- Drive backplanes.
- Two onboard NVMe PCIe connectors.
- One M.2 module connector.
- One LOM card connector.
- Two slots for PCIe riser cards.
- One TCM connector.
- Four (one processor) or six (two processors or models with 10x SFF drive bays) hot-swap system fans.

System specifications

The following table lists the system specifications for the SR570 server.

Table 1. SR570 system specifications

Attribute	Specification
Form factor	1U rack-mount.
Processor	Up to two Intel Xeon Bronze, Silver, Gold, or Platinum Gen 2 processors of up to 150 W TDP: • Up to 24 cores (2.1 GHz core speeds). • Up to 3.8 GHz core speeds (4 cores). • Two UPI links up to 10.4 GT/s each. • Up to 35.75 MB cache. • Up to 2933 MHz memory speed.
Chipset	Intel C622.
Memory	16 DIMM slots (Up to 8 DIMMs per processor; 6 memory channels per processor with one DIMM per channel for four channels and two DIMMs per channel for two channels) with support for the following TruDDR4 RDIMM rated speeds and capacities: • 8 GB, 16 GB, 32 GB, and 64 GB 2933 MHz. • 16 GB and 32 GB 2666 MHz.
Persistent memory	Up to 4x 128 GB, 256 GB, or 512 GB TruDDR4 2666 MHz DCPMMs in the DIMM slots.
Memory capacity	• Memory DIMMs only: Up to 1 TB with up to 16x 64 GB RDIMMs (Up to 512 GB per processor). • Memory DIMMs and persistent memory modules: ○ App Direct Mode: Up to 2.75 TB with up to 12x 64 GB RDIMMs and up to 4x 512 GB DCPMMs (Up to 1.375 TB per processor). ○ Memory Mode: Up to 2 TB with up to 4x 512 GB DCPMMs (Up to 1 TB per processor). **Note:** Server configurations with more than 1 TB of memory capacity per socket (including DCPMMs and RDIMMs) require processors that support up to 2 TB (M-suffix) or 4.5 TB (L-suffix) per socket.
Memory protection	• Processor's integrated memory controllers (for memory DIMMs): Error correction code (ECC), SDDC (for x4-based memory DIMMs), ADDDC (for x4-based memory DIMMs, requires Intel Xeon Gold or Platinum processors), memory mirroring, memory rank sparing, patrol scrubbing, and demand scrubbing. • DCPMM's onboard memory controllers: ECC, SDDC, DDDC, patrol scrubbing, and demand scrubbing. **Note:** In the configurations with DCPMMs, memory mirroring is supported only in the App Direct mode (other DCPMM modes do not support memory mirroring) and applies only to the RDIMMs (DCPMMs are not mirrored). Memory sparing is not supported in the configurations with DCPMMs.
Drive bays	• 4 LFF SATA Simple Swap drive bays • 4 LFF SAS/SATA hot-swap drive bays • 8 SFF SAS/SATA hot-swap drive bays • 10 SFF hot-swap drive bays: 6x 2.5" SAS/SATA & 4x 2.5" AnyBay

Attribute	Specification
Drive types	2.5-inch hot-swap drives: • 12 Gbps SAS HDDs up to 2.4 TB • 12 Gbps Nearline (NL) SAS HDDs up to 2 TB • 12 Gbps SAS HDD SEDs up to 600 GB • 12 Gbps SAS SSDs up to 7.68 TB • 12 Gbps SAS SSD SEDs up to 1.6 TB • 6 Gbps NL SATA HDDs up to 2 TB • 6 Gbps SATA SSDs up to 7.68 TB • U.2 NVMe PCIe 3.0 x4 SSDs up to 8 TB 3.5-inch hot-swap drives: • 12 Gbps SAS HDDs up to 900 GB (2.5" HDD in a 3.5" tray) • 12 Gbps NL SAS HDDs up to 14 TB • 12 Gbps NL SAS HDD SEDs up to 4 TB • 12 Gbps SAS SSDs up to 3.84 TB (2.5" SSD in a 3.5" tray) • 12 Gbps SAS SSD SEDs up to 1.6 TB (2.5" SSD in a 3.5" tray) • 6 Gbps NL SATA HDDs up to 14 TB • 6 Gbps SATA SSDs up to 7.68 TB (2.5" SSD in a 3.5" tray) 3.5-inch Simple Swap drives: • 6 Gbps NL SATA HDDs up to 10 TB. • 6 Gbps SATA SSDs up to 480 GB (2.5" SSD in a 3.5" tray) Internal M.2 SSDs: 6 Gbps SATA up to 480 GB. **Notes:** • Intermix of SAS, SATA, and NVMe PCIe drives is supported within a system, but not within a RAID array. • NVMe PCIe SSDs do not support hardware RAID controllers. • NVMe PCIe SSDs are supported in the AnyBay drive bays.
Internal storage capacity	• 2.5-inch models: Up to 76.8 TB with 10x 7.68 TB 2.5" SAS/SATA SSDs. • 3.5-inch models: Up to 56 TB with 4x 14 TB 3.5" NL SAS/SATA HDDs.

Storage controller	6 Gbps SATA
	• Non-RAID: Onboard SATA AHCI
	• RAID 0/1/10/5: Onboard SATA RAID (Intel RSTe)
	
	12 Gbps SAS/6 Gbps SATA RAID
	• RAID 0/1/10/5/50:
	    ○ RAID 530-8i
	    ○ RAID 730-8i 1GB Cache
	• RAID 0/1/10/5/50/6/60:
	    ○ RAID 730-8i 2GB Flash
	    ○ RAID 930-8i 2GB Flash
	    ○ RAID 930-16i 4GB or 8GB Flash
	
	12 Gbps SAS/6 Gbps SATA non-RAID: 430-8i or 16i HBA
	
	NVMe PCIe non-RAID
	• Onboard NVMe (Requires the second processor); or
	• 1610-4P NVMe Switch Adapter (configurations with one processor only)

Optical drive bays	None. Support for an external USB DVD RW Optical Disk Drive (See Optical drives).

Attribute	Specification
Network interfaces	2x Integrated 1 GbE RJ-45 ports (no 10/100 Mb support) - Onboard LOM slot for up to 4x 1/10 Gb Ethernet ports: 2x 1 GbE RJ-45 ports (no 10/100 Mb support) 2x 10 GbE RJ-45 ports (no 10/100 Mb support) 2x 10 GbE SFP+ ports (no 10/100 Mb support) - Optional Mezzanine LOM (ML2) slot for dual-port 10 GbE cards with SFP+ or RJ-45 connectors. 1x RJ-45 10/100/1000 Mb Ethernet systems management port.
I/O expansion slots	Up to three slots depending on the riser cards installed. The slots are as follows: - Slot 1: PCIe 3.0 x8; low profile - Slot 2: PCIe 3.0 x16 or ML2 x8; low profile or full-height, half-length - Slot 3: PCIe 3.0 x8 or x16; low profile PCIe x16 slot 3 requires the second processor to be installed.
Ports	- Front: 1x USB 2.0 port with XClarity Controller access, 1x USB 3.0 port. Optional 1x VGA port. - Rear: 2x USB 3.0 ports and 1x VGA port. Optional 1x DB-9 serial port.
Cooling	4x LFF or 8x SFF drive bay models: Four (one processor) or six (two processors) hot-swap single-rotor system fans with N+1 redundancy. 10x SFF drive bay models: Six hot-swap dual-rotor system fans with N+1 redundancy.
Power supply	Up to two redundant hot-swap 550 W or 750 W (100 - 240 V) High Efficiency Platinum or 750 W (200 - 240 V) High Efficiency Titanium AC power supplies. HVDC support (PRC only).
Video	Matrox G200 with 16 MB memory integrated into the XClarity Controller. Maximum resolution is 1920x1200 at 60 Hz with 32 bits per pixel.
Hot-swap parts	Drives (select models), power supplies, and fans.
Systems management	XClarity Controller (XCC) Standard, Advanced, or Enterprise (Pilot 4 chip), proactive platform alerts, light path diagnostics, XClarity Provisioning Manager, XClarity Essentials, XClarity Administrator, XClarity Integrators for VMware vCenter and Microsoft System Center, XClarity Energy Manager, Capacity Planner.
Security features	Power-on password, administrator's password, secure firmware updates, Trusted Platform Module (TPM) 1.2 or 2.0 (configurable UEFI setting). Optional lockable front bezel. Optional Trusted Cryptographic Module (TCM) or Nationz TPM (available only in PRC). Optional Lenovo Business Vantage security software (available only in PRC).
Operating systems	Microsoft Windows Server 2016 and 2019; Red Hat Enterprise Linux 7; SUSE Linux Enterprise Server 12 and 15; VMware vSphere (ESXi) 6.5 and 6.7.
Warranty	One-year (7Y02) or three-year (7Y03) customer-replaceable unit (CRU) and onsite limited warranty with 9x5 Next Business Day Parts Delivered.
Service and support	Optional service upgrades are available through Lenovo Services: 2-hour or 4-hour response time, 6-hour or 24-hour committed service repair, warranty extension up to 5 years, 1-year or 2-year post-warranty extensions, YourDrive Your Data, Enterprise Software Support, and Basic Hardware Installation Services.
Dimensions	Height: 43 mm (1.7 in), width: 434 mm (17.1 in), depth: 715 mm (28.1 in)
Weight	Minimum configuration: 10.2 kg (22.5 lb), maximum: 16.0 kg (35.3 lb)

Models

ThinkSystem SR570 server models can be configured by using the Lenovo Data Center Solution Configurator (DCSC):
http://dcsc.lenovo.com

ThinkSystem SR570 server models are region-specific; that is, each region may define their own server models, and not all server models are available in every region. For a complete list of the SR570 models, contact a Lenovo or Lenovo Business Partner representative in your region. Information on the SR570 models is also available on the PSREF website:
http://psref.lenovo.com/Product/ThinkSystem/ThinkSystem_SR570

Configure-to-order (CTO) models can also be created for factory-integrated server customization. The following table lists the base CTO models of the ThinkSystem SR570 server.

Table 2. Base CTO models

Description	Machine Type/Model
ThinkSystem SR570 - 3yr Warranty	7Y03CTO1WW
ThinkSystem SR570 - 1yr Warranty	7Y02CTO1WW

The following table lists the base chassis for CTO models of the SR570 server.

Table 3. Base chassis for CTO models

Description	Feature code
ThinkSystem SR570 3.5" Chassis with 4 Bays	AXEZ
ThinkSystem SR570 2.5" Chassis with 8 Bays	AXEY
ThinkSystem SR570 2.5" Chassis with 10 Bays	AXEX

All models of the SR570 server are shipped with the following items:

- *Rack Installation Guide*
- *Electronic Publications Flyer*

The following tables list the models of the SR570 server for the following regions:

- North America
- Brazil
- Latin America (except Brazil)
- Europe, Middle East, and Africa (EMEA)
- India
- Hong Kong, Taiwan, Korea
- Japan
- Association of Southeast Asian Nations (ASEAN)
- Australia and New Zealand

Table 4. SR570 server models (3-year warranty): North America

Model number	Intel Xeon processor* (2 max)	Memory RDIMM (16 max)	Storage controller	Drive bays (std / max)	Drives	Eth. LOM	I/O slots (3 max)^	Power supply (2 max)	XClarity Controller	Front VGA port	Tool-less Rail Kit	CMA	Power cord
Relationship models - North America													
7Y03A06GNA	1x 3204 6C 85W 1.9GHz	1x 16GB (x8) 2666MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	E	Y	Y	N	R2
7Y03A06FNA	1x 4208 8C 85W 2.1GHz	1x 16GB (x8) 2666MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	E	Y	Y	N	R2
7Y03A06ENA	1x 4210 10C 85W 2.2GHz	1x 16GB (x8) 2666MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	E	Y	Y	N	R2
7Y03A06DNA	1x 4214 12C 85W 2.2GHz	1x 16GB (x8) 2666MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	E	Y	Y	N	R2
7Y03A06BNA	1x 4216 16C 100W 2.1GHz	1x 16GB (x8) 2666MHz	1x RAID 930-8i 2GB	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	E	Y	Y	N	R2
7Y03A06CNA	1x 5218 16C 125W 2.3GHz	1x 16GB (x8) 2666MHz	1x RAID 930-8i 2GB	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	E	Y	Y	N	R2
7Y03A069NA	1x 6230 20C 125W 2.1GHz	1x 32GB (x4) 2666MHz	1x RAID 930-8i 2GB	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	E	Y	Y	N	R2
7Y03A06ANA	1x 6242 16C 150W 2.8GHz	1x 32GB (x4) 2666MHz	1x RAID 930-8i 2GB	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	E	Y	Y	N	R2

* Processor details: Processor quantity and model, cores, thermal design power (TDP), and core speed.
^ The server supports up to three I/O slots on the riser cards. An internal PCIe storage controller occupies the PCIe slot 1. The onboard SATA storage controller does not consume a PCIe slot.

Table 5. SR570 server models: Brazil

Model number	Intel Xeon processor* (2 max)	Memory RDIMM (12 max)	Storage controller	Drive bays (std / max)	Drives	Eth. LOM	I/O slots (3 max)^	Power supply (2 max)	XClarity Controller	Front VGA port	Tool-less Rail Kit	CMA	Power cord
TopSeller models - Brazil													
7Y03A070BR	1x 4208 8C 85W 2.1GHz	1x 16GB (x4) 2933MHz	1x RAID 730-8i 1GB	8 / 8 HS SFF	Open bay	2x 1Gb RJ-45	1x PCIe x8 1x PCIe x16	1x 550W	S	Y	Y	N	R2
7Y03A073BR	1x 4208 8C 85W 2.1GHz	1x 16GB (x4) 2933MHz	1x RAID 930-8i 2GB	8 / 8 HS SFF	Open bay	2x 1Gb RJ-45	1x PCIe x8 1x PCIe x16	1x 550W	S	Y	Y	N	R2
7Y03A076BR	1x 4208 8C 85W 2.1GHz	1x 32GB (x4) 2933MHz	1x RAID 930-8i 2GB	8 / 8 HS SFF	Open bay	2x 1Gb RJ-45	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	Y	Y	N	R2
7Y03A071BR	1x 4210 10C 85W 2.2GHz	1x 16GB (x4) 2933MHz	1x RAID 730-8i 1GB	8 / 8 HS SFF	Open bay	2x 1Gb RJ-45	1x PCIe x8 1x PCIe x16	1x 550W	S	Y	Y	N	R2
7Y03A074BR	1x 4210 10C 85W 2.2GHz	1x 16GB (x4) 2933MHz	1x RAID 930-8i 2GB	8 / 8 HS SFF	Open bay	2x 1Gb RJ-45	1x PCIe x8 1x PCIe x16	1x 550W	S	Y	Y	N	R2
7Y03A077BR	1x 4210 10C 85W 2.2GHz	1x 32GB (x4) 2933MHz	1x RAID 930-8i 2GB	8 / 8 HS SFF	Open bay	2x 1Gb RJ-45	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	Y	Y	N	R2
7Y03A072BR	1x 4214 12C 85W 2.2GHz	1x 16GB (x4) 2933MHz	1x RAID 730-8i 1GB	8 / 8 HS SFF	Open bay	2x 1Gb RJ-45	1x PCIe x8 1x PCIe x16	1x 550W	S	Y	Y	N	R2
7Y03A075BR	1x 4214 12C 85W 2.2GHz	1x 16GB (x4) 2933MHz	1x RAID 930-8i 2GB	8 / 8 HS SFF	Open bay	2x 1Gb RJ-45	1x PCIe x8 1x PCIe x16	1x 550W	S	Y	Y	N	R2
7Y03A078BR	1x 4214 12C 85W 2.2GHz	1x 32GB (x4) 2933MHz	1x RAID 930-8i 2GB	8 / 8 HS SFF	Open bay	2x 1Gb RJ-45	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	Y	Y	N	R2

* Processor details: Processor quantity and model, cores, thermal design power (TDP), and core speed.
^ The server supports up to three I/O slots on the riser cards. An internal PCIe storage controller occupies the PCIe slot 4. The onboard SATA storage controller does not consume a PCIe slot.
† Tool-less Friction Rail; no support for optional CMA.

Table 6. SR570 server models: Latin America (except Brazil)

Model number	Intel Xeon processor* (2 max)	Memory RDIMM (12 max)	Storage controller	Drive bays (std / max)	Drives	Eth. LOM	I/O slots (3 max)^	Power supply (2 max)	XClarity Controller	Front VGA port	Tool-less Rail Kit	CMA	Power cord
TopSeller models - Latin America (except Brazil)													
7Y03A079LA	1x 4208 8C 85W 2.1GHz	1x 16GB (x4) 2933MHz	1x RAID 730-8i 1GB	8 / 8 HS SFF	Open bay	2x 1Gb RJ-45	1x PCIe x8 1x PCIe x16	1x 550W	S	Y	Y	N	R2
7Y03A07CLA	1x 4208 8C 85W 2.1GHz	1x 16GB (x4) 2933MHz	1x RAID 930-8i 2GB	8 / 8 HS SFF	Open bay	2x 1Gb RJ-45	1x PCIe x8 1x PCIe x16	1x 550W	S	Y	Y	N	R2
7Y03A07FLA	1x 4208 8C 85W 2.1GHz	1x 32GB (x4) 2933MHz	1x RAID 930-8i 2GB	8 / 8 HS SFF	Open bay	2x 1Gb RJ-45	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	Y	Y	N	R2
7Y03A07ALA	1x 4210 10C 85W 2.2GHz	1x 16GB (x4) 2933MHz	1x RAID 730-8i 1GB	8 / 8 HS SFF	Open bay	2x 1Gb RJ-45	1x PCIe x8 1x PCIe x16	1x 550W	S	Y	Y	N	R2
7Y03A07DLA	1x 4210 10C 85W 2.2GHz	1x 16GB (x4) 2933MHz	1x RAID 930-8i 2GB	8 / 8 HS SFF	Open bay	2x 1Gb RJ-45	1x PCIe x8 1x PCIe x16	1x 550W	S	Y	Y	N	R2
7Y03A07GLA	1x 4210 10C 85W 2.2GHz	1x 32GB (x4) 2933MHz	1x RAID 930-8i 2GB	8 / 8 HS SFF	Open bay	2x 1Gb RJ-45	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	Y	Y	N	R2
7Y03A07BLA	1x 4214 12C 85W 2.2GHz	1x 16GB (x4) 2933MHz	1x RAID 730-8i 1GB	8 / 8 HS SFF	Open bay	2x 1Gb RJ-45	1x PCIe x8 1x PCIe x16	1x 550W	S	Y	Y	N	R2
7Y03A07ELA	1x 4214 12C 85W 2.2GHz	1x 16GB (x4) 2933MHz	1x RAID 930-8i 2GB	8 / 8 HS SFF	Open bay	2x 1Gb RJ-45	1x PCIe x8 1x PCIe x16	1x 550W	S	Y	Y	N	R2
7Y03A07HLA	1x 4214 12C 85W 2.2GHz	1x 32GB (x4) 2933MHz	1x RAID 930-8i 2GB	8 / 8 HS SFF	Open bay	2x 1Gb RJ-45	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	Y	Y	N	R2

* Processor details: Processor quantity and model, cores, thermal design power (TDP), and core speed.
^ The server supports up to three I/O slots on the riser cards. An internal PCIe storage controller occupies the PCIe slot 4. The onboard SATA storage controller does not consume a PCIe slot.
† Tool-less Friction Rail; no support for optional CMA.

Table 7. SR570 server models (3-year warranty): EMEA

Model number	Intel Xeon processor* (2 max)	Memory RDIMM (16 max)	Storage controller	Drive bays (std / max)	Drives	Eth. LOM	I/O slots (3 max)^	Power supply (2 max)	XClarity Controller	Front VGA port	Tool-less Rail Kit	CMA	Power cord
Relationship models - EMEA													
7Y03A053EA	1x 3204 6C 85W 1.9GHz	1x 16GB (x8) 2666MHz	1x RAID 930-8i 2GB	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	A	N	Y	N	R2
7Y03A051EA	1x 4210 10C 85W 2.2GHz	1x 16GB (x8) 2666MHz	1x RAID 930-8i 2GB	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	E	N	Y	N	R2
7Y03A03NEA	1x 4214 12C 85W 2.2GHz	1x 32GB (x4) 2666MHz	1x RAID 930-8i 2GB	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	E	N	Y	N	R2
7Y03A03PEA	1x 4215 8C 85W 2.5GHz	1x 32GB (x4) 2666MHz	1x RAID 930-8i 2GB	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	E	N	Y	N	R2
7Y03A03REA	1x 4216 16C 100W 2.1GHz	1x 32GB (x4) 2666MHz	1x RAID 930-8i 2GB	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	E	N	Y	N	R2
7Y03A052EA	1x 5215 10C 85W 2.5GHz	1x 16GB (x8) 2666MHz	1x RAID 930-16i 4GB	6+4 / 10 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	E	N	Y	N	R2
7Y03A03JEA	1x 5218 16C 125W 2.3GHz	1x 32GB (x4) 2666MHz	1x RAID 930-8i 2GB	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	E	N	Y	N	R2

Model number	Intel Xeon processor* (2 max)	Memory RDIMM (16 max)	Storage controller	Drive bays (std / max)	Drives	Eth. LOM	I/O slots (3 max)^	Power supply (2 max)	XClarity Controller	Front VGA port	Tool-less Rail Kit	CMA	Power cord
7Y03A03MEA	1x 6230 20C 125W 2.1GHz	1x 32GB (x4) 2666MHz	1x RAID 930-8i 2GB	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	E	N	Y	N	R2

* Processor details: Processor quantity and model, cores, thermal design power (TDP), and core speed.
^ The server supports up to three I/O slots on the riser cards. An internal PCIe storage controller occupies the PCIe slot 1. The onboard SATA storage controller does not consume a PCIe slot.

Table 8. SR570 server models (3-year warranty): India

Model number	Intel Xeon processor* (2 max)	Memory RDIMM (16 max)	Storage controller	Drive bays (std / max)	Drives	Eth. LOM	I/O slots (3 max)^	Power supply (2 max)	XClarity Controller	Front VGA port	Tool-less Rail Kit	CMA	Power cord
TopSeller models - India													
7Y03A04WSG	1x 3204 6C 85W 1.9GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	R2
7Y03A03VSG	1x 3204 6C 85W 1.9GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	R2
7Y03A047SG	1x 4208 8C 85W 2.1GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	R2
7Y03A03USG	1x 4208 8C 85W 2.1GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	R2
7Y03A058SG	1x 4210 10C 85W 2.2GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	R2
7Y03A03QSG	1x 4210 10C 85W 2.2GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	R2
7Y03A04ASG	1x 4214 12C 85W 2.2GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	R2
7Y03A04YSG	1x 4214 12C 85W 2.2GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	R2
7Y03A03XSG	1x 4215 8C 85W 2.5GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	R2
7Y03A04RSG	1x 4215 8C 85W 2.5GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	R2
7Y03A04CSG	1x 4216 16C 100W 2.1GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	R2
7Y03A059SG	1x 4216 16C 100W 2.1GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	R2
7Y03A046SG	1x 5215 10C 85W 2.5GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	R2
7Y03A04NSG	1x 5215 10C 85W 2.5GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	R2
7Y03A04VSG	1x 5217 8C 115W 3.0GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	R2
7Y03A05BSG	1x 5217 8C 115W 3.0GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	R2
7Y03A04QSG	1x 5218 16C 125W 2.3GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	R2

Model number	Intel Xeon processor* (2 max)	Memory RDIMM (16 max)	Storage controller	Drive bays (std / max)	Drives	Eth. LOM	I/O slots (3 max)^	Power supply (2 max)	XClarity Controller	Front VGA port	Tool-less Rail Kit	CMA	Power cord
7Y03A03TSG	1x 5218 16C 125W 2.3GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	R2
7Y03A04KSG	1x 5220 18C 125W 2.2GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	R2
7Y03A044SG	1x 5220 18C 125W 2.2GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	R2
7Y03A03WSG	1x 6230 20C 125W 2.1GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	R2
7Y03A04XSG	1x 6230 20C 125W 2.1GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	R2

* Processor details: Processor quantity and model, cores, thermal design power (TDP), and core speed.
^ The server supports up to three I/O slots on the riser cards. An internal PCIe storage controller occupies the PCIe slot 1. The onboard SATA storage controller does not consume a PCIe slot.

Table 9. SR570 server models (3-year warranty): Hong Kong, Taiwan, Korea

Model number	Intel Xeon processor* (2 max)	Memory RDIMM (16 max)	Storage controller	Drive bays (std / max)	Drives	Eth. LOM	I/O slots (3 max)^	Power supply (2 max)	XClarity Controller	Front VGA port	Tool-less Rail Kit	CMA	Power cord
TopSeller models - Hong Kong, Taiwan, Korea													
7Y03A081CN	1x 3204 6C 85W 1.9GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A054CN	1x 3204 6C 85W 1.9GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A057CN	1x 3204 6C 85W 1.9GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A07SCN	1x 4208 8C 85W 2.1GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A07VCN	1x 4208 8C 85W 2.1GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A07TCN	1x 4210 10C 85W 2.2GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A07UCN	1x 4210 10C 85W 2.2GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A07RCN	1x 4214 12C 85W 2.2GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A085CN	1x 4214 12C 85W 2.2GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A084CN	1x 4215 8C 85W 2.5GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A07MCN	1x 4215 8C 85W 2.5GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A07PCN	1x 4216 16C 100W 2.1GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A07LCN	1x 4216 16C 100W 2.1GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N

Model number	Intel Xeon processor* (2 max)	Memory RDIMM (16 max)	Storage controller	Drive bays (std / max)	Drives	Eth. LOM	I/O slots (3 max)^	Power supply (2 max)	XClarity Controller	Front VGA port	Tool-less Rail Kit	CMA	Power cord
7Y03A07NCN	1x 5215 10C 85W 2.5GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A07KCN	1x 5215 10C 85W 2.5GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A080CN	1x 5217 8C 115W 3.0GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A07ZCN	1x 5217 8C 115W 3.0GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A083CN	1x 5218 16C 125W 2.3GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A082CN	1x 5218 16C 125W 2.3GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A07YCN	1x 5220 18C 125W 2.2GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A07QCN	1x 5220 18C 125W 2.2GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A07WCN	1x 6230 20C 125W 2.1GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A07XCN	1x 6230 20C 125W 2.1GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N

* Processor details: Processor quantity and model, cores, thermal design power (TDP), and core speed.
^ The server supports up to three I/O slots on the riser cards. An internal PCIe storage controller occupies the PCIe slot 1. The onboard SATA storage controller does not consume a PCIe slot.

Table 10. SR570 server models (3-year warranty): Japan

Model number	Intel Xeon processor* (2 max)	Memory RDIMM (16 max)	Storage controller	Drive bays (std / max)	Drives	Eth. LOM	I/O slots (3 max)^	Power supply (2 max)	XClarity Controller	Front VGA port	Tool-less Rail Kit	CMA	Power cord
Relationship models - Japan													
7Y03A04JJP	1x 3204 6C 85W 1.9GHz	1x 16GB (x4) 2666MHz	1x RAID 730-8i 2GB	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 550W	A	N	Y	N	N
7Y03A04HJP	1x 4208 8C 85W 2.1GHz	1x 16GB (x4) 2666MHz	1x RAID 730-8i 2GB	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 550W	A	N	Y	N	N
7Y03A04GJP	1x 4210 10C 85W 2.2GHz	1x 16GB (x4) 2666MHz	1x RAID 730-8i 2GB	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 550W	A	N	Y	N	N
7Y03A03ZJP	1x 4216 16C 100W 2.1GHz	1x 16GB (x4) 2666MHz	1x RAID 730-8i 2GB	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 550W	A	N	Y	N	N
7Y03A05CJP	1x 5215 10C 85W 2.5GHz	1x 16GB (x4) 2666MHz	1x RAID 730-8i 2GB	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 550W	A	N	Y	N	N
7Y03A056JP	1x 5222 4C 105W 3.8GHz	1x 16GB (x4) 2666MHz	1x RAID 730-8i 2GB	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 550W	A	N	Y	N	N
7Y03A055JP	1x 6230 20C 125W 2.1GHz	1x 16GB (x4) 2666MHz	1x RAID 730-8i 2GB	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	A	N	Y	N	N
7Y03A04UJP	1x 6230 20C 125W 2.1GHz	1x 16GB (x8) 2933MHz	1x RAID 730-8i 2GB	6+4 / 10 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	A	N	Y	N	N
7Y03A04LJP	1x 6252 24C 150W 2.1GHz	1x 16GB (x8) 2933MHz	1x RAID 730-8i 2GB	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	A	N	Y	N	N

* Processor details: Processor quantity and model, cores, thermal design power (TDP), and core speed.
^ The server supports up to three I/O slots on the riser cards. An internal PCIe storage controller occupies the PCIe slot 1. The onboard SATA storage controller does not consume a PCIe slot.

Table 11. SR570 server models (3-year warranty): ASEAN

Model number	Intel Xeon processor* (2 max)	Memory RDIMM (16 max)	Storage controller	Drive bays (std / max)	Drives	Eth. LOM	I/O slots (3 max)^	Power supply (2 max)	XClarity Controller	Front VGA port	Tool-less Rail Kit	CMA	Power cord
TopSeller models - ASEAN													
7Y03A03KSG	1x 3204 6C 85W 1.9GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A042SG	1x 3204 6C 85W 1.9GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A041SG	1x 4208 8C 85W 2.1GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A048SG	1x 4208 8C 85W 2.1GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A03YSG	1x 4210 10C 85W 2.2GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A049SG	1x 4210 10C 85W 2.2GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A05ASG	1x 4214 12C 85W 2.2GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N

Model number	Intel Xeon processor* (2 max)	Memory RDIMM (16 max)	Storage controller	Drive bays (std / max)	Drives	Eth. LOM	I/O slots (3 max)^	Power supply (2 max)	XClarity Controller	Front VGA port	Tool-less Rail Kit	CMA	Power cord
7Y03A03SSG	1x 4214 12C 85W 2.2GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A04BSG	1x 4215 8C 85W 2.5GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A04FSG	1x 4215 8C 85W 2.5GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A04DSG	1x 4216 16C 100W 2.1GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A04ZSG	1x 4216 16C 100W 2.1GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A040SG	1x 5215 10C 85W 2.5GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A04TSG	1x 5215 10C 85W 2.5GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A04PSG	1x 5217 8C 115W 3.0GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A043SG	1x 5217 8C 115W 3.0GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A050SG	1x 5218 16C 125W 2.3GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A03LSG	1x 5218 16C 125W 2.3GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A04ESG	1x 5220 18C 125W 2.2GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A045SG	1x 5220 18C 125W 2.2GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A04SSG	1x 6230 20C 125W 2.1GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A04MSG	1x 6230 20C 125W 2.1GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N

* Processor details: Processor quantity and model, cores, thermal design power (TDP), and core speed.
^ The server supports up to three I/O slots on the riser cards. An internal PCIe storage controller occupies the PCIe slot 1. The onboard SATA storage controller does not consume a PCIe slot.

Table 12. SR570 server models: Australia and New Zealand

Model number	Intel Xeon processor* (2 max)	Memory RDIMM (16 max)	Storage controller	Drive bays (std / max)	Drives	Eth. LOM	I/O slots (3 max)^	Power supply (2 max)	XClarity Controller	Front VGA port	Tool-less Rail Kit	CMA	Power cord
Relationship models - Australia and New Zealand (1-year warranty)													
7Y02A01CAU	1x 3204 6C 85W 1.9GHz	1x 16GB (x8) 2666MHz	None	No bays / 8 HS LFF	Open bay	Open slot	None	1x 550W	S	Y	Y	N	R2
Relationship models - Australia and New Zealand (3-year warranty)													
7Y03A05TAU	1x 3204 6C 85W 1.9GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A05PAU	1x 3204 6C 85W 1.9GHz	1x 16GB (x8) 2666MHz	1x RAID 930-8i 2GB	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	A	N	Y	N	R2
7Y03A063AU	1x 4208 8C 85W 2.1GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A05EAU	1x 4208 8C 85W 2.1GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A05KAU	1x 4210 10C 85W 2.2GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A061AU	1x 4210 10C 85W 2.2GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A05GAU	1x 4210 10C 85W 2.2GHz	1x 16GB (x8) 2666MHz	1x RAID 930-8i 2GB	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	E	N	Y	N	R2
7Y03A05JAU	1x 4214 12C 85W 2.2GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A066AU	1x 4214 12C 85W 2.2GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A05MAU	1x 4214 12C 85W 2.2GHz	1x 32GB (x4) 2666MHz	1x RAID 930-8i 2GB	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	E	N	Y	N	R2
7Y03A05DAU	1x 4215 8C 85W 2.5GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A05FAU	1x 4215 8C 85W 2.5GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A067AU	1x 4215 8C 85W 2.5GHz	1x 32GB (x4) 2666MHz	1x RAID 930-8i 2GB	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	E	N	Y	N	R2
7Y03A05LAU	1x 4216 16C 100W 2.1GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A05UAU	1x 4216 16C 100W 2.1GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A05RAU	1x 4216 16C 100W 2.1GHz	1x 32GB (x4) 2666MHz	1x RAID 930-8i 2GB	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	E	N	Y	N	R2
7Y03A05VAU	1x 5215 10C 85W 2.5GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A05NAU	1x 5215 10C 85W 2.5GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A05SAU	1x 5215 10C 85W 2.5GHz	1x 16GB (x8) 2666MHz	1x RAID 930-16i 4GB	6+4 / 10 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	E	N	Y	N	R2
7Y03A05YAU	1x 5217 8C 115W 3.0GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A05WAU	1x 5217 8C 115W 3.0GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A060AU	1x 5218 16C 125W 2.3GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N

Model number	Intel Xeon processor* (2 max)	Memory RDIMM (16 max)	Storage controller	Drive bays (std / max)	Drives	Eth. LOM	I/O slots (3 max)^	Power supply (2 max)	XClarity Controller	Front VGA port	Tool-less Rail Kit	CMA	Power cord
7Y03A05ZAU	1x 5218 16C 125W 2.3GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A068AU	1x 5218 16C 125W 2.3GHz	1x 32GB (x4) 2666MHz	1x RAID 930-8i 2GB	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	E	N	Y	N	R2
7Y03A062AU	1x 5220 18C 125W 2.2GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A064AU	1x 5220 18C 125W 2.2GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A05XAU	1x 6230 20C 125W 2.1GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	4 / 4 HS LFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A065AU	1x 6230 20C 125W 2.1GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N
7Y03A05HAU	1x 6230 20C 125W 2.1GHz	1x 32GB (x4) 2666MHz	1x RAID 930-8i 2GB	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	E	N	Y	N	R2
TopSeller models - Australia and New Zealand (3-year warranty)													
7Y03A05QAU	1x 3204 6C 85W 1.9GHz	1x 8GB (x8) 2933MHz	1x RAID 530-8i	8 / 8 HS SFF	Open bay	Open slot	1x PCIe x8 1x PCIe x16	1x 750W Platinum	S	N	N	N	N

* Processor details: Processor quantity and model, cores, thermal design power (TDP), and core speed.
^ The server supports up to three I/O slots on the riser cards. An internal PCIe storage controller occupies the PCIe slot 1. The onboard SATA storage controller does not consume a PCIe slot.

Processors

The SR570 server supports one or two Intel Xeon Bronze, Silver, Gold, or Platinum processors of up to 150 W TDP. The following table lists the specifications of the processors for the SR570 server.

Processor specifications table abbreviations:

- UPI: Ultra Path Interconnect
- TDP: Thermal Design Power
- HT: Hyper-Threading
- TB: Turbo Boost 2.0
- VT-x: Virtualization Technology
- VT-d: Virtualization Technology for Directed I/O
- SST-PP: Speed Select Technology - Performance Profile
- FMA: Fused-Multiply Add (AVX-512)
- DCPMM: DC Persistent Memory Module
- RAS: Reliability, Availability, and Serviceability
    - Std: Standard RAS
    - Adv: Advanced RAS

Table 13. Processor specifications

CPU model	Cores / threads	Core speed (Base / TB Max)	Cache	Max DDR4 speed	Max memory capacity per socket	UPI speed	TDP	HT	TB	VT-x	VT-d	SST-PP	FMA units	DCPMM	RAS
Intel Xeon Bronze processors															
3204	6 / 6	1.9 / 1.9 GHz	8.25 MB	2133 MHz	1 TB	9.6 GT/s	85 W	N	N	Y	Y	N	1	N	Std
Intel Xeon Silver processors															
4208	8 / 16	2.1 / 3.2 GHz	11 MB	2400 MHz	1 TB	9.6 GT/s	85 W	Y	Y	Y	Y	N	1	N	Std
4209T	8 / 16	2.2 / 3.2 GHz	11 MB	2400 MHz	1 TB	9.6 GT/s	70 W	Y	Y	Y	Y	N	1	N	Std
4210	10 / 20	2.2 / 3.2 GHz	13.75 MB	2400 MHz	1 TB	9.6 GT/s	85 W	Y	Y	Y	Y	N	1	N	Std
4214	12 / 24	2.2 / 3.2 GHz	16.5 MB	2400 MHz	1 TB	9.6 GT/s	85 W	Y	Y	Y	Y	N	1	N	Std
4214Y	12 / 24	2.2 / 3.2 GHz	16.5 MB	2400 MHz	1 TB	9.6 GT/s	85 W	Y	Y	Y	Y	Y	1	N	Std
	10 / 20	2.3 / 3.2 GHz													
	8 / 16	2.4 / 3.2 GHz													
4215	8 / 16	2.5 / 3.5 GHz	11 MB	2400 MHz	1 TB	9.6 GT/s	85 W	Y	Y	Y	Y	N	1	Y	Std
4216	16 / 32	2.1 / 3.2 GHz	22 MB	2400 MHz	1 TB	9.6 GT/s	100 W	Y	Y	Y	Y	N	1	N	Std
Intel Xeon Gold processors															
5215	10 / 20	2.5 / 3.4 GHz	13.75 MB	2666 MHz	1 TB	10.4 GT/s	85 W	Y	Y	Y	Y	N	1	Y	Adv
5215M	10 / 20	2.5 / 3.4 GHz	13.75 MB	2666 MHz	2 TB	10.4 GT/s	85 W	Y	Y	Y	Y	N	1	Y	Adv
5215L	10 / 20	2.5 / 3.4 GHz	13.75 MB	2666 MHz	4.5 TB	10.4 GT/s	85 W	Y	Y	Y	Y	N	1	Y	Adv
5217	8 / 16	3.0 / 3.7 GHz	11 MB	2666 MHz	1 TB	10.4 GT/s	115 W	Y	Y	Y	Y	N	1	Y	Adv
5218	16 / 32	2.3 / 3.9 GHz	22 MB	2666 MHz	1 TB	10.4 GT/s	125 W	Y	Y	Y	Y	N	1	Y	Adv
5218B	16 / 32	2.3 / 3.9 GHz	22 MB	2666 MHz	1 TB	10.4 GT/s	125 W	Y	Y	Y	Y	N	1	Y	Adv
5218T	16 / 32	2.1 / 3.8 GHz	22 MB	2667 MHz	1 TB	10.4 GT/s	105 W	Y	Y	Y	Y	N	1	Y	Adv
5220	18 / 36	2.2 / 3.9 GHz	24.75 MB	2666 MHz	1 TB	10.4 GT/s	125 W	Y	Y	Y	Y	N	1	Y	Adv
5220S	18 / 36	2.7 / 3.9 GHz	24.75 MB	2667 MHz	1 TB	10.4 GT/s	125 W	Y	Y	Y	Y	N	1	Y	Adv
5220T	18 / 36	1.9 / 3.9 GHz	24.75 MB	2667 MHz	1 TB	10.4 GT/s	105 W	Y	Y	Y	Y	N	1	Y	Adv
5222	4 / 8	3.8 / 3.9 GHz	16.5 MB	2933 MHz	1 TB	10.4 GT/s	105 W	Y	Y	Y	Y	N	2	Y	Adv
6209U	20 / 40	2.1 / 3.9 GHz	27.5 MB	2933 MHz	1 TB	N/A	125 W	Y	Y	Y	Y	N	2	Y	Adv
6210U	20 / 40	2.5 / 3.9 GHz	27.5 MB	2933 MHz	1 TB	N/A	150 W	Y	Y	Y	Y	N	2	Y	Adv
6222V	20 / 40	1.8 / 3.6 GHz	27.5 MB	2400 MHz	1 TB	10.4 GT/s	115 W	Y	Y	Y	Y	N	2	Y	Adv
6226	12 / 24	2.7 / 3.7 GHz	19.25 MB	2933 MHz	1 TB	10.4 GT/s	125 W	Y	Y	Y	Y	N	2	Y	Adv
6230	20 / 40	2.1 / 3.9 GHz	27.5 MB	2933 MHz	1 TB	10.4 GT/s	125 W	Y	Y	Y	Y	N	2	Y	Adv
6230N	20 / 40	2.3 / 3.9 GHz	27.5 MB	2933 MHz	1 TB	10.4 GT/s	125 W	Y	Y	Y	Y	N	2	Y	Adv
6230T	20 / 40	2.1 / 3.9 GHz	27.5 MB	2933 MHz	1 TB	10.4 GT/s	125 W	Y	Y	Y	Y	N	2	Y	Adv
6234	8 / 16	3.3 / 4.0 GHz	24.75 MB	2933 MHz	1 TB	10.4 GT/s	130 W	Y	Y	Y	Y	N	2	Y	Adv
6238	22 / 44	2.1 / 3.7 GHz	30.25 MB	2933 MHz	1 TB	10.4 GT/s	140 W	Y	Y	Y	Y	N	2	Y	Adv
6238M	22 / 44	2.1 / 3.7 GHz	30.25 MB	2933 MHz	2 TB	10.4 GT/s	140 W	Y	Y	Y	Y	N	2	Y	Adv
6238L	22 / 44	2.1 / 3.7 GHz	30.25 MB	2933 MHz	4.5 TB	10.4 GT/s	140 W	Y	Y	Y	Y	N	2	Y	Adv
6238T	22 / 44	1.9 / 3.7 GHz	30.25 MB	2933 MHz	1 TB	10.4 GT/s	125 W	Y	Y	Y	Y	N	2	Y	Adv
6240	18 / 36	2.6 / 3.9 GHz	24.75 MB	2933 MHz	1 TB	10.4 GT/s	150 W	Y	Y	Y	Y	N	2	Y	Adv
6240M	18 / 36	2.6 / 3.9 GHz	24.75 MB	2933 MHz	2 TB	10.4 GT/s	150 W	Y	Y	Y	Y	N	2	Y	Adv
6240L	18 / 36	2.6 / 3.9 GHz	24.75 MB	2933 MHz	4.5 TB	10.4 GT/s	150 W	Y	Y	Y	Y	N	2	Y	Adv
6240Y	18 / 36	2.6 / 3.9 GHz	24.75 MB	2933 MHz	1 TB	10.4 GT/s	150 W	Y	Y	Y	Y	Y	2	Y	Adv
	14 / 28	2.8 / 3.9 GHz													
	8 / 16	3.1 / 3.9 GHz													
6242	16 / 32	2.8 / 3.9 GHz	22 MB	2933 MHz	1 TB	10.4 GT/s	150 W	Y	Y	Y	Y	N	2	Y	Adv
6244	8 / 16	3.6 / 4.4 GHz	24.75 MB	2933 MHz	1 TB	10.4 GT/s	150 W	Y	Y	Y	Y	N	2	Y	Adv

CPU model	Cores / threads	Core speed (Base / TB Max)	Cache	Max DDR4 speed	Max memory capacity per socket	UPI speed	TDP	HT	TB	VT-x	VT-d	SST-PP	FMA units	DCPMM	RAS
6248	20 / 40	2.5 / 3.9 GHz	27.5 MB	2933 MHz	1 TB	10.4 GT/s	150 W	Y	Y	Y	Y	N	2	Y	Adv
6252	24 / 48	2.1 / 3.7 GHz	35.75 MB	2933 MHz	1 TB	10.4 GT/s	150 W	Y	Y	Y	Y	N	2	Y	Adv
6252N	24 / 48	2.3 / 3.6 GHz	35.75 MB	2933 MHz	1 TB	10.4 GT/s	150 W	Y	Y	Y	Y	N	2	Y	Adv
6262V	24 / 48	1.9 / 3.6 GHz	33 MB	2400 MHz	1 TB	10.4 GT/s	135 W	Y	Y	Y	Y	N	2	Y	Adv
Intel Xeon Platinum processors															
8253	16 / 32	2.2 / 3.0 GHz	22 MB	2933 MHz	1 TB	10.4 GT/s	125 W	Y	Y	Y	Y	N	2	Y	Adv
8256	4 / 8	3.8 / 3.9 GHz	16.5 MB	2933 MHz	1 TB	10.4 GT/s	105 W	Y	Y	Y	Y	N	2	Y	Adv

Configuration notes:

- The Intel Xeon Gold 5218 and 5218B processors have similar specifications; however, they use different silicon designs and cannot be mixed in the same system.

- The processors that support SST-PP offer three distinct operating points that are defined by a core count with a base speed associated with that core count. The operating point is static, it is selected during the boot process and cannot be changed at runtime.

For the SR570 server models that come standard with one processor, the second processor can be ordered, if required (see the following table for ordering information). The second processor must be of the same model as the first processor. The second processor option includes a processor and a heatsink; two additional single-rotor system fans are not included and need to be purchased with the second processor for server models with 4x 3.5-inch or 8x 2.5-inch drive bays (see Cooling for details).

Note: The Intel Xeon Gold 6209U and 6210U processors are supported only in the uniprocessor configurations.

Table 14. Processor options

Description	Part number	Feature code*
Intel Xeon Bronze processors		
SR530/SR570/SR630 Intel Xeon Bronze 3204 6C 85W 1.9GHz Processor w/o FAN	4XG7A37939	B4HU
Intel Xeon Silver processors		
SR530/SR570/SR630 Intel Xeon Silver 4208 8C 85W 2.1GHz Processor w/o FAN	4XG7A37936	B4HT
SR530/SR570/SR630 Intel Xeon Silver 4209T 8C 70W 2.2GHz Processor w/o FAN	4XG7A37945	B4P4
SR530/SR570/SR630 Intel Xeon Silver 4210 10C 85W 2.2GHz Processor w/o FAN	4XG7A37933	B4HS
SR530/SR570/SR630 Intel Xeon Silver 4214 12C 85W 2.2GHz Processor w/o FAN	4XG7A37930	B4HR
SR530/SR570/SR630 Intel Xeon Silver 4214Y 12/10/8C 85W 2.2GHz Processor w/o FAN	4XG7A37942	B4NW
SR530/SR570/SR630 Intel Xeon Silver 4215 8C 85W 2.5GHz Processor w/o FAN	4XG7A37927	B4HQ
SR530/SR570/SR630 Intel Xeon Silver 4216 16C 100W 2.1GHz Processor w/o FAN	4XG7A37924	B4HP
Intel Xeon Gold processors		
SR530/SR570/SR630 Intel Xeon Gold 5215 10C 85W 2.5GHz Processor w/o FAN	4XG7A37917	B4HN
SR530/SR570/SR630 Intel Xeon Gold 5215M 10C 85W 2.5GHz Processor w/o FAN	4XG7A37914	B4P1
SR530/SR570/SR630 Intel Xeon Gold 5215L 10C 85W 2.5GHz Processor w/o FAN	4XG7A37911	B4P9
SR530/SR570 Intel Xeon Gold 5217 8C 115W 3.0GHz Processor w/o FAN	4XG7A37921	B4HM
SR530/SR570/SR630 Intel Xeon Gold 5218 16C 125W 2.3GHz Processor w/o FAN	4XG7A37896	B4HL
SR530/SR570/SR630 Intel Xeon Gold 5218B 16C 125W 2.3GHz Processor w/o FAN	4XG7A37959	B6BS
SR530/SR570 Intel Xeon Gold 5218T 16C 105W 2.1GHz Processor w/o FAN	4XG7A38017	B4P3
SR530/SR570/SR630 Intel Xeon Gold 5220 18C 125W 2.2GHz Processor w/o FAN	4XG7A37893	B4HK

Description	Part number	Feature code*
SR530/SR570/SR630 Intel Xeon Gold 5220S 18C 125W 2.7GHz Processor w/o FAN	4XG7A38018	B6CW
SR530/SR570 Intel Xeon Gold 5220T 18C 105W 1.9GHz Processor w/o FAN	4XG7A38004	B6CQ
SR530/SR570 Intel Xeon Gold 5222 4C 105W 3.8GHz Processor w/o FAN	4XG7A37953	B5S1
Intel Xeon Gold 6209U 20C 125W 2.1GHz Processor w/o FAN	None**	B6CX
Intel Xeon Gold 6210U 20C 150W 2.5GHz Processor w/o FAN	None**	B5RX
SR530/SR570/SR630 Intel Xeon Gold 6222V 20C 115W 1.8GHz Processor w/o FAN	4XG7A38022	B6CV
SR530/SR570/SR630 Intel Xeon Gold 6226 12C 125W 2.7GHz Processor w/o FAN	4XG7A38020	B6CL
SR530/SR570/SR630 Intel Xeon Gold 6230 20C 125W 2.1GHz Processor w/o FAN	4XG7A37890	B4HJ
SR530/SR570 Intel Xeon Gold 6230N 20C 125W 2.3GHz Processor w/o FAN	4XG7A38029	B5RY
SR530/SR570 Intel Xeon Gold 6230T 20C 125W 2.1GHz Processor w/o FAN	4XG7A38007	B6CP
SR570/SR630 Intel Xeon Gold 6234 8C 130W 3.3GHz Processor w/o FAN	4XG7A38000	B6CK
SR570/SR630 Intel Xeon Gold 6238 22C 140W 2.1GHz Processor w/o FAN	4XG7A38024	B6CJ
SR570/SR630 Intel Xeon Gold 6238M 22C 140W 2.1GHz Processor w/o FAN	4XG7A37998	B6CM
SR570/SR630 Intel Xeon Gold 6238L 22C 140W 2.1GHz Processor w/o FAN	4XG7A38002	B6CR
SR530/SR570 Intel Xeon Gold 6238T 22C 125W 1.9GHz Processor w/o FAN	4XG7A37908	B4P2
SR570/SR630 Intel Xeon Gold 6240 18C 150W 2.6GHz Processor w/o FAN	4XG7A37884	B4HH
SR570/SR630 Intel Xeon Gold 6240M 18C 150W 2.6GHz Processor w/o FAN	4XG7A38012	B6CN
SR570/SR630 Intel Xeon Gold 6240L 18C 150W 2.6GHz Processor w/o FAN	4XG7A38014	B6CS
SR570 Intel Xeon Gold 6240Y 18/14/8C 150W 2.6GHz Processor w/o FAN	4XG7A37905	B4NV
SR570 Intel Xeon Gold 6242 16C 150W 2.8GHz Processor w/o FAN	4XG7A37888	B4HG
SR570 Intel Xeon Gold 6244 8C 150W 3.6GHz Processor w/o FAN	4XG7A15876	B4HF
SR570/SR630 Intel Xeon Gold 6248 20C 150W 2.5GHz Processor w/o FAN	4XG7A15893	B4HE
SR570/SR630 Intel Xeon Gold 6252 24C 150W 2.1GHz Processor w/o FAN	4XG7A15890	B4HC
Intel Xeon Gold 6252N 24C 150W 2.3GHz Processor w/o FAN	None^	B6CT
SR570/SR630 Intel Xeon Gold 6262V 24C 135W 1.9GHz Processor w/o FAN	4XG7A38009	B6CU
Intel Xeon Platinum processors		
SR530/SR570/SR630 Intel Xeon Platinum 8253 16C 125W 2.2GHz Processor w/o FAN	4XG7A37899	B5RZ
SR530/SR570 Intel Xeon Platinum 8256 4C 105W 3.8GHz Processor w/o FAN	4XG7A37949	B5S2

* For CTO configurations, the feature code represents a processor, and fans and heatsinks are derived by the configuration tool.
** Factory-installed only; no field upgrade. Supported in the uniprocessor configurations only.
^ Factory-installed only; no field upgrade.

Configuration notes:

- Configurations with Gold 6240Y processors are supported at the ambient temperature of up to 30 °C (86 °F).
- Configurations with Gold 6252N processors are supported at the ambient temperature of up to 27 °C (80.6 °F).
- The server performance might be impacted in case of a system fan failure in the configurations with Gold 6240Y or 6252N processors.

Memory

The SR570 server supports up to 1 TB of memory capacity (up to 512 GB per processor) with up to 16 TruDDR4 memory RDIMMs when two processors are installed or up to 8 RDIMMs when one processor is installed. Each processor has six memory channels (two integrated memory controllers with three memory channels per memory controller), and there is a one DIMM per channel for four channels and two DIMMs per channel for two channels for a total of 8 DIMMs per processor.

Lenovo TruDDR4 memory uses the highest-quality components sourced from Tier 1 DRAM suppliers and only memory that meets strict requirements is selected. It is compatibility tested and tuned on every ThinkSystem server to maximize performance and reliability.

TruDDR4 memory has a unique signature programmed into the DIMM, which enables Lenovo servers to verify whether the memory installed is qualified and supported. Lenovo qualified and supported TruDDR4 memory is covered by Lenovo warranty, and service and support provided worldwide.

The following memory protection technologies are supported by the processor's integrated memory controllers:

- ECC
- SDDC (for x4-based memory DIMMs)
- ADDDC (for x4-based memory DIMMs; Gold and Platinum processors only)
- Memory mirroring
- Memory rank sparing
- Patrol scrubbing
- Demand scrubbing

The following table lists memory options available for the SR570 server.

Table 15. Memory options

Description	Part number	Feature code	Maximum quantity*
RDIMMs - 2933 MHz			
ThinkSystem 8GB TruDDR4 2933MHz (1Rx8 1.2V) RDIMM	4ZC7A08706	B4H1	8 / 16
ThinkSystem 16GB TruDDR4 2933MHz (1Rx4 1.2V) RDIMM	4ZC7A08707	B4LY	8 / 16
ThinkSystem 16GB TruDDR4 2933MHz (2Rx8 1.2V) RDIMM	4ZC7A08708	B4H2	8 / 16
ThinkSystem 32GB TruDDR4 2933MHz (2Rx4 1.2V) RDIMM	4ZC7A08709	B4H3	8 / 16
ThinkSystem 64GB TruDDR4 2933MHz (2Rx4 1.2V) RDIMM	4ZC7A08710	B4H4	8 / 16
RDIMMs - 2666 MHz			
ThinkSystem 16GB TruDDR4 2666 MHz (1Rx4 1.2V) RDIMM	7X77A01302	AUNB	8 / 16
ThinkSystem 16GB TruDDR4 2666 MHz (2Rx8 1.2V) RDIMM	7X77A01303	AUNC	8 / 16
ThinkSystem 32GB TruDDR4 2666 MHz (2Rx4 1.2V) RDIMM	7X77A01304	AUND	8 / 16
ThinkSystem 64GB TruDDR4 2666MHz (4Rx4, 1.2V) 3DS RDIMM	4ZC7A08716	AUW5	8 / 16

* The maximum quantity shown is with one processor / two processors.

Configuration notes:

- All DIMMs in the server operate at the same speed, which is determined as the lowest value of:
  - DIMM rated speed (2666 MHz or 2933 MHz).
  - Memory speed supported by the specific processor (2133 MHz, 2400 MHz, 2666 MHz, or 2933 MHz).
  - Memory speed for the selected quantity of DIMMs per channel:
    - One DIMM per channel (1 DPC): 2933 MHz.
    - Two DIMMs per channel (2 DPC): 2666 MHz.
  Note: Maximum memory speed can be achieved when Max performance mode is enabled in UEFI.

- Mixing RDIMMs of different ranks (single- or dual-rank), DRAM chip types (x4 or x8), speeds (2666 MHz or 2933 MHz), and capacities (8 GB, 16 GB, 32 GB, or 64 GB) is supported in the independent channel mode (the default operational mode).
- The maximum quantity of DIMMs supported is reduced by the quantity of DC Persistent Memory Modules used in the configuration.
- Server configurations with more than 1 TB of memory capacity per socket (including DCPMMs and RDIMMs) require processors that support up to 2 TB (M-suffix) or 4.5 TB (L-suffix) per socket.
- For server configurations with memory protection, the following rules apply:
    - Single Device Data Correction (SDDC) works only in the independent channel mode and supports only x4-based memory DIMMs.
    - Adaptive Double Device Data Correction (ADDDC) works with x4-based memory DIMMs and requires two DIMM ranks per channel, Intel Xeon Gold or Platinum processors, and the Closed Page memory access mode.
    - If memory mirroring is used, then DIMMs must be installed in quantities of 2 or 4 per processor for mirroring across two memory channels, or in quantities of 3 or 6 per processor for mirroring across three memory channels. Mixing two- and three-channel mirroring in the server is allowed (one processor uses two-channel mirroring, and another processor uses three-channel mirroring). All DIMMs in the server must be identical in type and size.
    - If memory rank sparing is used, then a minimum of two ranks must be installed per populated channel (a least one dual-rank or quad-rank DIMM; single-rank DIMMs are not supported). With rank sparing, one rank in each populated channel is reserved as spare memory for other ranks on the same channel. All DIMMs in the server must be identical in type and size.
    - SDDC, memory mirroring, and memory rank sparing modes are mutually exclusive. Only one operational memory mode can be enabled on the server.
    - In the configurations with DCPMMs, memory mirroring is supported only in the App Direct mode (other DCPMM modes do not support memory mirroring) and applies only to the RDIMMs (DCPMMs are not mirrored). Memory sparing is not supported in the configurations with DCPMMs.

Persistent memory

Intel Optane DC persistent memory is an innovative technology that delivers a unique combination of affordable large memory capacity and persistence (non-volatility). The persistent memory technology can help boost the performance of data-intensive applications, such as in-memory analytics, databases, content delivery networks, and high performance computing (HPC), as well as deliver consistent service levels at scale with higher virtual machine and container density.

The SR570 server supports up to two TruDDR4 DC Persistent Memory Modules (DCPMMs) when one processor is installed and up to four DCPMMs when two processors are installed (up to one DCPMM per processor's memory channel with two DIMM slots per channel) for a total of up to 2 TB of persistent memory capacity. The DCPMMs are installed in the same memory DIMM slots on the system board that are used for installing RDIMMs.

The DCPMMs support the following modes of operation:

- Memory Mode
  Memory Mode seamlessly brings large memory capacity at affordable cost points to legacy applications. In this mode, DCPMMs provide volatile memory that behaves much like traditional RDIMMs (the data will not be saved in case of a power loss) and is transparent to the operating system and applications. DCPMMs provide memory capacity and RDIMMs provide cache memory that is managed by the processor's memory controller. The total memory capacity that is seen by the operating system is the capacity of the DCPMMs; the capacity of the RDIMMs is hidden and does not appear as a memory resource in the operating system. This mode is considered particularly suited for virtualized database deployments and big-data analytics applications.

- App Direct Mode
  App Direct Mode brings persistency to the data and structures (the data will be saved in case of a power loss). This mode requires operating system and application awareness of two types of system memory: Persistent (DCPMMs) and DRAM (RDIMMs). The total memory capacity that is seen by the operating system includes the capacity of the DCPMMs and RDIMMs. This mode is considered particularly suited for in-memory databases, in-memory analytics frameworks, and ultrafast storage applications.

- Mixed Memory Mode
  Mixed Memory Mode is a combination of Memory Mode and App Direct Mode, where a portion of the capacity of the DCPMMs is used for the Memory Mode operations, and the remaining capacity of the DCPMMs is used for the App Direct Mode operations.

The following memory protection technologies are supported by the DCPMM's onboard memory controllers:

- ECC
- SDDC
- DDDC
- Patrol scrubbing
- Demand scrubbing

The following table lists DCPMM options available for the SR570 server.

Table 16. DCPMM options

Description	Part number	Feature code	Maximum quantity*
ThinkSystem 128GB TruDDR4 2666MHz (1.2V) Intel Optane DC Persistent Memory	4ZC7A15110	B4LV	2 / 4
ThinkSystem 256GB TruDDR4 2666MHz (1.2V) Intel Optane DC Persistent Memory	4ZC7A15111	B4LW	2 / 4
ThinkSystem 512GB TruDDR4 2666MHz (1.2V) Intel Optane DC Persistent Memory	4ZC7A15112	B4LX	2 / 4

* The maximum quantity shown is with one processor / two processors.

The following table lists supported combinations of the DCPMMs and RDIMMs available for the SR570 server.

Table 17. Supported DCPMM and memory DIMM combinations

DCPMM mode	DCPMM quantity*	Supported DCPMM sizes	Memory DIMM quantity*	Supported memory DIMM sizes
App Direct Mode	- / 1	128 GB, 256 GB, 512 GB	6 / 12	16 GB, 32 GB, 64 GB
	1 / 2	128 GB, 256 GB, 512 GB	6 / 12	16 GB, 32 GB, 64 GB
	2 / 4	128 GB, 256 GB, 512 GB	6 / 12	16 GB, 32 GB, 64 GB
Memory Mode	2 / 4	256 GB	6 / 12	16 GB
	2 / 4	512 GB	6 / 12	16 GB, 32 GB
Mixed Memory Mode	2 / 4	256 GB	6 / 12	16 GB
	2 / 4	512 GB	6 / 12	16 GB, 32 GB

* The supported exact quantity shown is with one processor / two processors.

Configuration notes:

- All DCPMMs in the server must be of the same capacity (the same part number or feature code).

- The RDIMMs are required in the configurations with DCPMMs, and all RDIMMs must be of the same type, rank, and capacity (the same part number or feature code).

- The DCPMMs cannot be mixed with the 8GB TruDDR4 2933 MHz RDIMM (4ZC7A08706).

- For Mixed Memory Mode, the volatile (Memory) portion of the total capacity of DCPMMs is configured in increments of 32 GB multiplied by the number of DCPMMs in the server, and the remaining capacity is allocated to the persistent (App Direct) portion. The ratio of the total capacity of RDIMMs to the total capacity of the volatile portion of DCPMMs should be between 1 to 4 and 1 to 16.

- Server configurations with more than 1 TB of memory capacity per socket (including DCPMMs and RDIMMs) require processors that support up to 2 TB (M-suffix) or 4.5 TB (L-suffix) per socket.

For more information, refer to the Intel Optane DC Persistent Memory (DCPMM) Product Guide: http://lenovopress.com/LP1066

Internal storage

The SR570 server supports the following internal drive bay configurations:

1. 4 LFF SAS/SATA Simple Swap drive bays
2. 4 LFF SAS/SATA hot-swap drive bays
3. 8 SFF SAS/SATA hot-swap drive bays
4. 10 SFF hot-swap drive bays: 6x 2.5" SAS/SATA & 4x 2.5" AnyBay

In addition, the SR570 server models can be configured with one or two internal M.2 SATA SSDs. The server also supports configurations without drive bays.

The following figure shows the internal drive bay configurations.
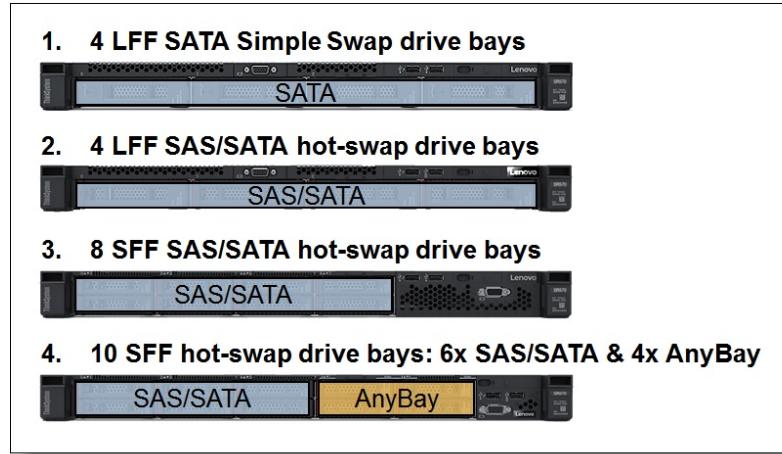
Figure 7. Internal drive bay configurations

The following table lists the internal storage options for the SR570 server.

Table 18. Internal storage options

Description	Part number	Feature code	Maximum quantity
Factory-installed backplane kits			
ThinkSystem SR530/SR570/SR630 4x3.5" SATA/SAS Backplane	None*	AUW8	1
ThinkSystem SR530//SR570/SR630 8x2.5" SATA/SAS Backplane	None*	AUWB	1
ThinkSystem SR570/SR630 10x2.5" AnyBay Backplane	None*	AUW9	1
Backplane kit field upgrade options			
ThinkSystem SR570 2.5" SATA/SAS 8-Bay Backplane Upgrade Kit	4XH7A08762	None**	1
ThinkSystem SR570/SR630 2.5" AnyBay 10-Bay Backplane Upgrade Kit	4XH7A08768	None**	1
M.2 enablement kits			
ThinkSystem M.2 Enablement Kit	7Y37A01092	AUMU	1
ThinkSystem M.2 with Mirroring Enablement Kit	7Y37A01093	AUMV	1

* These backplane kits can be factory-installed in standard or custom (CTO or Special Bid) models, and they might not have an option part number assigned.
** Field upgrade only; used for upgrading models without any drive bays to 8x 2.5" SAS/SATA hot-swap drive bays.

Configuration notes:

- Models without any drive bays that are based on the 8x 2.5" chassis (feature code AXEY) support adding drive bays by using the 2.5" SATA/SAS 8-bay backplane kit (4XH7A08762).

- Models without any drive bays that are based on the 10x 2.5" chassis (feature code AXEX) support adding drive bays by using the 2.5" 10-bay AnyBay backplane kit (4XH7A08768).

- Lenovo AnyBay allows a choice of SAS, SATA, or U.2 NVMe PCIe drive interfaces in the same drive bay.

- U.2 NVMe PCIe SSDs in the AnyBay drive bays require either the second processor (enables the onboard NVMe controller) or the 1610-4P NVMe Switch Adapter to be installed.
  Note: The 1610-4P NVMe Switch Adapter is supported only in the configurations with one processor.

- Models with 10x 2.5-inch drive bays and an 8-port SAS RAID controller or HBA support only NVMe drives in the AnyBay drive bays.

- The backplane upgrade kits include drive backplanes and required SAS cables, power cables, and drive bay fillers; storage controllers are not included.

- The M.2 Enablement Kit (7Y37A01092) supports up to one M.2 SATA SSD which is connected to the SATA port on the Intel Platform Controller Hub (PCH).

- The M.2 with Mirroring Enablement Kit (7Y37A01093) is connected to the Intel PCH via the PCIe link, and the kit supports up to two M.2 SATA SSDs that can be configured in a RAID-1 or RAID-0 drive group, or they can operate as separate drives.

The following tables list supported internal storage configurations with the SAS/SATA and AnyBay backplanes.

Table 19. Internal storage configurations

| Drive bay configuration | Backplane kit type and quantity | | | Storage controller type and quantity* |
	4x 3.5" SATA/SAS	8x 2.5" SATA/SAS	10x 2.5" AnyBay	
4x 3.5" chassis (Feature code AXEZ)				
4x 3.5-in. SATA Simple Swap	0	0	0	Onboard AHCI (non-RAID) / Intel RSTe (RAID) (4)
4x 3.5-in. SAS/SATA hot-swap (front)	1	0	0	1x RAID 530/730/930-8i (4)
				1x 430-8i HBA (4)
8x 2.5" chassis (Feature code AXEY)				
8x 2.5-in. SAS/SATA hot-swap (front)	0	1	0	1x RAID 530/730-8i (8)
				1x RAID 930-8i/16i (8)
				1x 430-8i/16i HBA (8)
10x 2.5" chassis (Feature code AXEX)				
4x 2.5-in. AnyBay (NVMe only) hot-swap (front)	0	0	1	Onboard NVMe (4)
6x 2.5-in. SAS/SATA + 4x 2.5-in. AnyBay hot-swap (front)	0	0	1	1x RAID 930-16i (10) + 1x NVMe (4)**
				1x 430-16i HBA (10) + 1x NVMe (4)**
6x 2.5-in. SAS/SATA + 4x 2.5-in. AnyBay (NVMe only) hot-swap (front)	0	0	1	1x RAID 530/730/930-8i (6) + Onboard NVMe (4)
				1x 430-8i HBA (6) + Onboard NVMe (4)

* The number in brackets (x) specifies the quantity of drive bays connected to each of the controllers.
** The 1610-4P NVMe Switch Adapter in the configurations with one processor, or the onboard NVMe controller in the configurations with two processors.

Controllers for internal storage

The following table lists the storage controllers and options for internal storage of the SR570 server.

Table 20. RAID controllers and HBAs for internal storage

Description	Part number	Feature code	Maximum quantity	I/O slots supported
6 Gbps SATA controllers				
Onboard AHCI (non-RAID) / Intel RSTe (RAID)	None*	None*	1	-
12 Gb SAS/SATA RAID controllers				
ThinkSystem RAID 530-8i PCIe 12Gb Adapter	7Y37A01082	AUNG	1	1
ThinkSystem RAID 730-8i 1GB Cache PCIe 12Gb Adapter	7Y37A01083	AUNH	1	1
ThinkSystem RAID 730-8i 2GB Flash PCIe 12Gb Adapter	4Y37A09722	B4RQ	1	1
ThinkSystem RAID 930-8i 2GB Flash PCIe 12Gb Adapter	7Y37A01084	AUNJ	1	1
ThinkSystem RAID 930-16i 4GB Flash PCIe 12Gb Adapter	7Y37A01085	AUNK	1	1
ThinkSystem RAID 930-16i 8GB Flash PCIe 12Gb Adapter	4Y37A09721	B31E	1	1
12 Gb SAS/SATA non-RAID HBAs				
ThinkSystem 430-8i SAS/SATA 12Gb HBA	7Y37A01088	AUNL	1	1
ThinkSystem 430-16i SAS/SATA 12Gb HBA	7Y37A01089	AUNM	1	1
NVMe PCIe interfaces (non-RAID)				
Onboard NVMe interface (4-port)	None	None	1	-
ThinkSystem 1610-4P NVMe Switch Adapter	7Y37A01081	AUV2	1	2

* The onboard SATA controller integrated into the Intel C622 Platform Controller Hub (PCH) supports non-RAID (JBOD) AHCI mode or a hardware-assist, software RAID feature (Intel Rapid Storage Technology Enterprise [RSTe]).

Configuration notes:

- Low profile SAS RAID controllers and HBAs for internal storage are supported in the PCIe x8 slot 1 supplied by the riser card 1.

- The onboard NVMe interface provides 4x PCIe 3.0 x4 ports for JBOD (non-RAID) connectivity to U.2 NVMe PCIe SSDs in the AnyBay drive bays, and it requires the second processor to be installed.

- The 1610-4P NVMe Switch Adapter provides 4x PCIe 3.0 x4 ports for JBOD (non-RAID) connectivity to U.2 NVMe PCIe SSDs in the AnyBay drive bays, and it is supported in the PCIe x16 slot 2 supplied by the x8/x16 riser card 1 in the configurations with one processor only.

The following table summarizes features of supported SAS/SATA storage controllers.

Table 21. Storage controller features and specifications (LP = Low profile)

Feature	Intel RSTe	RAID 530-8i	RAID 730-8i 1GB	RAID 730-8i 2GB	RAID 930-8i	RAID 930-16i	430-8i HBA	430-16i HBA
Form factor	Onboard	PCIe LP	PCIe LP	PCIe LP	PCIe LP	PCIe LP	PCIe LP	PCIe LP
SAS controller	None	SAS3408	SAS3108	SAS3108	SAS3508	SAS3516	SAS3408	SAS3416
Host interface	PCH	PCIe 3.0 x8	PCIe 3.0 x8	PCIe 3.0 x8	PCIe 3.0 x8	PCIe 3.0 x8	PCIe 3.0 x8	PCIe 3.0 x8
Port interface	6 Gb SATA	12 Gb SAS	12 Gb SAS	12 Gb SAS	12 Gb SAS	12 Gb SAS	12 Gb SAS	12 Gb SAS
Number of ports	8	8	8	8	8	16	8	16
Connector type	SATA x4	SFF-8643 x4	SFF-8643 x4	SFF-8643 x4	SFF-8643 x4	SFF-8643 x4	SFF-8643 x4	SFF-8643 x4
Number of connectors	2	2	2	2	2	4	2	4
Drive interface	SATA	SAS, SATA	SAS, SATA	SAS, SATA	SAS, SATA	SAS, SATA	SAS, SATA	SAS, SATA

Feature	Intel RSTe	RAID 530-8i	RAID 730-8i 1GB	RAID 730-8i 2GB	RAID 930-8i	RAID 930-16i	430-8i HBA	430-16i HBA
Drive type	HDD	HDD, SSD, SED	HDD, SSD	HDD, SSD, SED	HDD, SSD, SED	HDD, SSD, SED	HDD, SSD, SED*	HDD, SSD, SED*
Hot-swap drive support	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Number of drives	8	8	8	8	8	16	8	16
RAID levels	0/1/10/5	0/1/10/5/50	0/1/10/5/50	0/1/10/5/50/6/60	0/1/10/5/50/6/60	0/1/10/5/50/6/60	None	None
JBOD mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cache	None	None	1 GB	2 GB	2 GB	4 GB; 8 GB	None	None
Cache protection	None	None	None	Flash backup (Included)	Flash backup (Included)	Flash backup (Included)	None	None
SED key management (SafeStore)	No	Yes	No	Yes	Yes	Yes	No	No
SSD I/O acceleration (FastPath)	No	Yes	No	Yes	Yes	Yes	No	No
SSD Caching (CacheCade Pro 2.0)	No	No	No	No	No**	No**	No	No
Consistency check	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Patrol read	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Online capacity expansion	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Online RAID level migration	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Global Hot Spare	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Auto-rebuild	Yes	Yes	Yes	Yes	Yes	Yes	No	No

* HBAs do not support key management for SEDs; third-party host software is responsible for managing the keys.
** The SSD caching feature has been phased out in the new generation of advanced RAID controllers.

Important: The onboard Intel RSTe is not supported by virtualization hypervisors, including VMware vSphere (ESXi), Linux KVM, Xen, and Microsoft Hyper-V.

For more information, see the list of Product Guides in the following categories:

- RAID adapters
  http://lenovopress.com/servers/options/raid#rt=product-guide
- Host bus adapters
  http://lenovopress.com/servers/options/hba#rt=product-guide

Drives for internal storage

The following tables list drive options for the SR570 server.

Table 22. Drive options for internal storage: 3.5-inch non-hot-swap drives

Description	Part number	Feature code	Maximum quantity
3.5-inch non-hot-swap HDDs - 6 Gbps SATA			
ThinkSystem 3.5" 1TB 7.2K SATA 6Gb Simple Swap 512n HDD	7XB7A00055	AUZS	4

Description	Part number	Feature code	Maximum quantity
ThinkSystem 3.5" 2TB 7.2K SATA 6Gb Simple Swap 512n HDD	7XB7A00056	AUZT	4
ThinkSystem 3.5" 4TB 7.2K SATA 6Gb Simple Swap 512n HDD	7XB7A00057	AUZU	4
ThinkSystem 3.5" 6TB 7.2K SATA 6Gb Simple Swap 512e HDD	7XB7A00058	AXC7	4
ThinkSystem 3.5" 8TB 7.2K SATA 6Gb Simple Swap 512e HDD	7XB7A00059	AXC6	4
ThinkSystem 3.5" 10TB 7.2K SATA 6Gb Simple Swap 512e HDD	7XB7A00060	AXC8	4
3.5-inch non-hot-swap SSDs - S4500 Entry 6 Gbps SATA			
ThinkSystem 3.5" Intel S4500 240GB Entry SATA 6Gb Simple Swap SSD	4XB7A08491	B2XM	4

Table 23. Drive options for internal storage: 3.5-inch hot-swap drives

Description	Part number	Feature code	Maximum quantity
3.5-inch hot-swap HDDs - 12 Gbps SAS			
ThinkSystem 3.5" 300GB 10K SAS 12Gb Hot Swap 512n HDD	7XB7A00063	B1JJ	4
ThinkSystem 3.5" 300GB 15K SAS 12Gb Hot Swap 512n HDD	7XB7A00038	AUU2	4
ThinkSystem 3.5" 600GB 15K SAS 12Gb Hot Swap 512n HDD	7XB7A00039	AUU3	4
ThinkSystem 3.5" 900GB 15K SAS 12Gb Hot Swap 512e HDD	7XB7A00040	AUUC	4
3.5-inch hot-swap HDDs - 12 Gbps NL SAS			
ThinkSystem 3.5" 1TB 7.2K SAS 12Gb Hot Swap 512n HDD	7XB7A00041	AUU4	4
ThinkSystem 3.5" 2TB 7.2K SAS 12Gb Hot Swap 512n HDD	7XB7A00042	AUU5	4
ThinkSystem 3.5" 4TB 7.2K SAS 12Gb Hot Swap 512n HDD	7XB7A00043	AUU6	4
ThinkSystem 3.5" 6TB 7.2K SAS 12Gb Hot Swap 512e HDD	7XB7A00044	AUU7	4
ThinkSystem 3.5" 8TB 7.2K SAS 12Gb Hot Swap 512e HDD	7XB7A00045	B0YR	4
ThinkSystem 3.5" 10TB 7.2K SAS 12Gb Hot Swap 512e HDD	7XB7A00046	AUUG	4
ThinkSystem 3.5" 12TB 7.2K SAS 12Gb Hot Swap 512e HDD	7XB7A00067	B117	4
ThinkSystem 3.5" 14TB 7.2K SAS 12Gb Hot Swap 512e HDD	4XB7A13906	B496	4
3.5-inch hot-swap HDDs - 6 Gbps NL SATA			
ThinkSystem 3.5" 1TB 7.2K SATA 6Gb Hot Swap 512n HDD	7XB7A00049	AUUF	4
ThinkSystem 3.5" 2TB 7.2K SATA 6Gb Hot Swap 512n HDD	7XB7A00050	AUUD	4
ThinkSystem 3.5" 4TB 7.2K SATA 6Gb Hot Swap 512n HDD	7XB7A00051	AUU8	4
ThinkSystem 3.5" 6TB 7.2K SATA 6Gb Hot Swap 512e HDD	7XB7A00052	AUUA	4
ThinkSystem 3.5" 8TB 7.2K SATA 6Gb Hot Swap 512e HDD	7XB7A00053	AUU9	4
ThinkSystem 3.5" 10TB 7.2K SATA 6Gb Hot Swap 512e HDD	7XB7A00054	AUUB	4
ThinkSystem 3.5" 12TB 7.2K SATA 6Gb Hot Swap 512e HDD	7XB7A00068	B118	4
ThinkSystem 3.5" 14TB 7.2K SATA 6Gb Hot Swap 512e HDD	4XB7A13907	B497	4
3.5-inch hot-swap HDD SEDs - 12 Gbps NL SAS			
ThinkSystem 3.5" 4TB 7.2K SAS 12Gb Hot Swap 512n HDD FIPS	7XB7A00047	AUUH	4
3.5-inch hot-swap SSDs - SS300 Performance 12 Gbps SAS			
ThinkSystem 3.5" HUSMM32 400GB Performance SAS 12Gb Hot Swap SSD	7N47A00997	B16Z	4
ThinkSystem 3.5" HUSMM32 1.6TB Performance SAS 12Gb Hot Swap SSD	7N47A00999	B171	4
3.5-inch hot-swap SSDs - SS530 Performance 12 Gbps SAS			
ThinkSystem 3.5" SS530 800GB Performance SAS 12Gb Hot Swap SSD	4XB7A10234	B4Y8	4
ThinkSystem 3.5" SS530 1.6TB Performance SAS 12Gb Hot Swap SSD	4XB7A10235	B4Y9	4
ThinkSystem 3.5" SS530 3.2TB Performance SAS 12Gb Hot Swap SSD	4XB7A10236	B4YA	4

Description	Part number	Feature code	Maximum quantity
3.5-inch hot-swap SSDs - PM1635a Mainstream 12 Gbps SAS			
ThinkSystem 3.5" PM1635a 1.6TB Mainstream SAS 12Gb Hot Swap SSD	4XB7A10187	B2XE	4
3.5-inch hot-swap SSDs - PM1645 Mainstream 12 Gbps SAS			
ThinkSystem 3.5" PM1645 800GB Mainstream SAS 12Gb Hot Swap SSD	4XB7A13657	B4A3	4
ThinkSystem 3.5" PM1645 1.6TB Mainstream SAS 12Gb Hot Swap SSD	4XB7A13658	B4A4	4
ThinkSystem 3.5" PM1645 3.2TB Mainstream SAS 12Gb Hot Swap SSD	4XB7A13659	B4A5	4
3.5-inch hot-swap SSDs - 5100 Mainstream 6 Gbps SATA			
ThinkSystem 3.5" 5100 480GB Mainstream SATA 6Gb Hot Swap SSD	7SD7A05759	B112	4
ThinkSystem 3.5" 5100 3.84TB Mainstream SATA 6Gb Hot Swap SSD	7SD7A05756	B115	4
3.5-inch hot-swap SSDs - 5200 Mainstream 6 Gbps SATA			
ThinkSystem 3.5" 5200 240GB Mainstream SATA 6Gb Hot Swap SSD	4XB7A10242	B48D	4
ThinkSystem 3.5" 5200 480GB Mainstream SATA 6Gb Hot Swap SSD	4XB7A10243	B48E	4
ThinkSystem 3.5" 5200 960GB Mainstream SATA 6Gb Hot Swap SSD	4XB7A10244	B48F	4
ThinkSystem 3.5" 5200 1.92TB Mainstream SATA 6Gb Hot Swap SSD	4XB7A10245	B48G	4
ThinkSystem 3.5" 5200 3.84TB Mainstream SATA 6Gb Hot Swap SSD	4XB7A10246	B48H	4
3.5-inch hot-swap SSDs - S4610 Mainstream 6 Gbps SATA			
ThinkSystem 3.5" Intel S4610 240GB Mainstream SATA 6Gb Hot Swap SSD	4XB7A13639	B49R	4
ThinkSystem 3.5" Intel S4610 480GB Mainstream SATA 6Gb Hot Swap SSD	4XB7A13640	B49S	4
ThinkSystem 3.5" Intel S4610 960GB Mainstream SATA 6Gb Hot Swap SSD	4XB7A13641	B49T	4
ThinkSystem 3.5" Intel S4610 1.92TB Mainstream SATA 6Gb Hot Swap SSD	4XB7A13642	B49U	4
ThinkSystem 3.5" Intel S4610 3.84TB Mainstream SATA 6Gb Hot Swap SSD	4XB7A13643	B49V	4
3.5-inch hot-swap SSDs - PM1643 Capacity 12 Gbps SAS			
ThinkSystem 3.5" PM1643 3.84TB Capacity SAS 12Gb Hot Swap SSD	4XB7A13649	B4A8	4
3.5-inch hot-swap SSDs - 5100 Entry 6 Gbps SATA			
ThinkSystem 3.5" 5100 3.84TB Entry SATA 6Gb Hot Swap SSD	4XB7A08509	B10V	4
3.5-inch hot-swap SSDs - 5200 Entry 6 Gbps SATA			
ThinkSystem 3.5" 5200 480GB Entry SATA 6Gb Hot Swap SSD	4XB7A10158	B2X7	4
ThinkSystem 3.5" 5200 960GB Entry SATA 6Gb Hot Swap SSD	4XB7A10159	B2X8	4
ThinkSystem 3.5" 5200 1.92TB Entry SATA 6Gb Hot Swap SSD	4XB7A10160	B2X9	4
ThinkSystem 3.5" 5200 3.84TB Entry SATA 6Gb Hot Swap SSD	4XB7A10161	B2XA	4
ThinkSystem 3.5" 5200 7.68TB Entry SATA 6Gb Hot Swap SSD	4XB7A10162	B2XB	4
3.5-inch hot-swap SSDs - PM863a Entry 6 Gbps SATA			
ThinkSystem 3.5" PM863a 240GB Entry SATA 6Gb Hot Swap SSD	7N47A00115	AUUS	4
3.5-inch hot-swap SSDs - PM883 Entry 6 Gbps SATA			
ThinkSystem 3.5" PM883 240GB Entry SATA 6Gb Hot Swap SSD	4XB7A17176	B6TM	4
ThinkSystem 3.5" PM883 480GB Entry SATA 6Gb Hot Swap SSD	4XB7A17177	B6TN	4
ThinkSystem 3.5" PM883 960GB Entry SATA 6Gb Hot Swap SSD	4XB7A17178	B6TP	4
ThinkSystem 3.5" PM883 1.92TB Entry SATA 6Gb Hot Swap SSD	4XB7A17179	B6JY	4
ThinkSystem 3.5" PM883 3.84TB Entry SATA 6Gb Hot Swap SSD	4XB7A17180	B6JZ	4
3.5-inch hot-swap SSDs - S4500 Entry 6 Gbps SATA			
ThinkSystem 3.5" Intel S4500 240GB Entry SATA 6Gb Hot Swap SSD	7SD7A05737	B0Z3	4
ThinkSystem 3.5" Intel S4500 960GB Entry SATA 6Gb Hot Swap SSD	7SD7A05735	B0Z5	4
ThinkSystem 3.5" Intel S4500 1.92TB Entry SATA 6Gb Hot Swap SSD	7SD7A05734	B0Z6	4

Description	Part number	Feature code	Maximum quantity
3.5-inch hot-swap SSDs - S4510 Entry 6 Gbps SATA			
ThinkSystem 3.5" Intel S4510 240GB Entry SATA 6Gb Hot Swap SSD	4XB7A13625	B49D	4
ThinkSystem 3.5" Intel S4510 480GB Entry SATA 6Gb Hot Swap SSD	4XB7A13626	B49E	4
ThinkSystem 3.5" Intel S4510 960GB Entry SATA 6Gb Hot Swap SSD	4XB7A13627	B49F	4
ThinkSystem 3.5" Intel S4510 1.92TB Entry SATA 6Gb Hot Swap SSD	4XB7A13628	B49G	4
ThinkSystem 3.5" Intel S4510 3.84TB Entry SATA 6Gb Hot Swap SSD	4XB7A13629	B49H	4

Table 24. Drive options for internal storage: 2.5-inch hot-swap drives

Description	Part number	Feature code	Maximum quantity
2.5-inch hot-swap HDDs - 12 Gbps SAS			
ThinkSystem 2.5" 300GB 10K SAS 12Gb Hot Swap 512n HDD	7XB7A00024	AULY	10
ThinkSystem 2.5" 300GB 15K SAS 12Gb Hot Swap 512n HDD	7XB7A00021	AULV	10
ThinkSystem 2.5" 600GB 10K SAS 12Gb Hot Swap 512n HDD	7XB7A00025	AULZ	10
ThinkSystem 2.5" 600GB 15K SAS 12Gb Hot Swap 512n HDD	7XB7A00022	AULW	10
ThinkSystem 2.5" 900GB 10K SAS 12Gb Hot Swap 512n HDD	7XB7A00026	AUM0	10
ThinkSystem 2.5" 900GB 15K SAS 12Gb Hot Swap 512e HDD	7XB7A00023	AULX	10
ThinkSystem 2.5" 1.2TB 10K SAS 12Gb Hot Swap 512n HDD	7XB7A00027	AUM1	10
ThinkSystem 2.5" 1.8TB 10K SAS 12Gb Hot Swap 512e HDD	7XB7A00028	AUM2	10
ThinkSystem 2.5" 2.4TB 10K SAS 12Gb Hot Swap 512e HDD	7XB7A00069	B0YS	10
2.5-inch hot-swap HDDs - 12 Gbps NL SAS			
ThinkSystem 2.5" 1TB 7.2K SAS 12Gb Hot Swap 512n HDD	7XB7A00034	AUM6	10
ThinkSystem 2.5" 2TB 7.2K SAS 12Gb Hot Swap 512n HDD	7XB7A00035	AUM7	10
2.5-inch hot-swap HDDs - 6 Gbps NL SATA			
ThinkSystem 2.5" 1TB 7.2K SATA 6Gb Hot Swap 512n HDD	7XB7A00036	AUUE	10
ThinkSystem 2.5" 2TB 7.2K SATA 6Gb Hot Swap 512e HDD	7XB7A00037	AUUJ	10
2.5-inch hot-swap HDD SEDs - 12 Gbps SAS			
ThinkSystem 2.5" 300GB 10K SAS 12Gb Hot Swap 512n HDD SED	7XB7A00030	AUM4	10
ThinkSystem 2.5" 600GB 10K SAS 12Gb Hot Swap 512n HDD SED	7XB7A00031	AUM5	10
2.5-inch hot-swap SSDs - SS300 Performance 12 Gbps SAS			
ThinkSystem 2.5" HUSMM32 400GB Performance SAS 12Gb Hot Swap SSD	7N47A00124	AUMG	10
ThinkSystem 2.5" HUSMM32 1.6TB Performance SAS 12Gb Hot Swap SSD	7N47A00126	AVRB	10
2.5-inch hot-swap SSDs - SS530 Performance 12 Gbps SAS			
ThinkSystem 2.5" SS530 400GB Performance SAS 12Gb Hot Swap SSD	4XB7A10219	B4Y4	10
ThinkSystem 2.5" SS530 800GB Performance SAS 12Gb Hot Swap SSD	4XB7A10230	B4Y5	10
ThinkSystem 2.5" SS530 1.6TB Performance SAS 12Gb Hot Swap SSD	4XB7A10231	B4Y6	10
ThinkSystem 2.5" SS530 3.2TB Performance SAS 12Gb Hot Swap SSD	4XB7A10232	B4Y7	10
2.5-inch hot-swap SSDs - PM1635a Mainstream 12 Gbps SAS			
ThinkSystem 2.5" PM1635a 1.6TB Mainstream SAS 12Gb Hot Swap SSD	7N47A00119	AVRG	10
2.5-inch hot-swap SSDs - PM1645 Mainstream 12 Gbps SAS			
ThinkSystem 2.5" PM1645 800GB Mainstream SAS 12Gb Hot Swap SSD	4XB7A13653	B4A0	10
ThinkSystem 2.5" PM1645 1.6TB Mainstream SAS 12Gb Hot Swap SSD	4XB7A13654	B4A1	10

Description	Part number	Feature code	Maximum quantity
ThinkSystem 2.5" PM1645 3.2TB Mainstream SAS 12Gb Hot Swap SSD	4XB7A13655	B4A2	10
2.5-inch hot-swap SSDs - 5100 Mainstream 6 Gbps SATA			
ThinkSystem 2.5" 5100 480GB Mainstream SATA 6Gb Hot Swap SSD	7SD7A05764	B10X	10
ThinkSystem 2.5" 5100 3.84TB Mainstream SATA 6Gb Hot Swap SSD	7SD7A05761	B110	10
2.5-inch hot-swap SSDs - 5200 Mainstream 6 Gbps SATA			
ThinkSystem 2.5" 5200 240GB Mainstream SATA 6Gb Hot Swap SSD	4XB7A10237	B488	10
ThinkSystem 2.5" 5200 480GB Mainstream SATA 6Gb Hot Swap SSD	4XB7A10238	B489	10
ThinkSystem 2.5" 5200 960GB Mainstream SATA 6Gb Hot Swap SSD	4XB7A10239	B48A	10
ThinkSystem 2.5" 5200 1.92TB Mainstream SATA 6Gb Hot Swap SSD	4XB7A10240	B48B	10
ThinkSystem 2.5" 5200 3.84TB Mainstream SATA 6Gb Hot Swap SSD	4XB7A10241	B48C	10
2.5-inch hot-swap SSDs - S4610 Mainstream 6 Gbps SATA			
ThinkSystem 2.5" Intel S4610 240GB Mainstream SATA 6Gb Hot Swap SSD	4XB7A13633	B49L	10
ThinkSystem 2.5" Intel S4610 480GB Mainstream SATA 6Gb Hot Swap SSD	4XB7A13634	B49M	10
ThinkSystem 2.5" Intel S4610 960GB Mainstream SATA 6Gb Hot Swap SSD	4XB7A13635	B49N	10
ThinkSystem 2.5" Intel S4610 1.92TB Mainstream SATA 6Gb Hot Swap SSD	4XB7A13636	B49P	10
ThinkSystem 2.5" Intel S4610 3.84TB Mainstream SATA 6Gb Hot Swap SSD	4XB7A13637	B49Q	10
2.5-inch hot-swap SSDs - PM1643 Capacity 12 Gbps SAS			
ThinkSystem 2.5" PM1643 3.84TB Capacity SAS 12Gb Hot Swap SSD	4XB7A13645	B4A7	10
ThinkSystem 2.5" PM1643 7.68TB Capacity SAS 12Gb Hot Swap SSD	4XB7A13646	B4A6	10
2.5-inch hot-swap SSDs - 5100 Entry 6 Gbps SATA			
ThinkSystem 2.5" 5100 3.84TB Entry SATA 6Gb Hot Swap SSD	4XB7A08505	B10R	10
2.5-inch hot-swap SSDs - 5200 Entry 6 Gbps SATA			
ThinkSystem 2.5" 5200 480GB Entry SATA 6Gb Hot Swap SSD	4XB7A10153	B2X2	10
ThinkSystem 2.5" 5200 960GB Entry SATA 6Gb Hot Swap SSD	4XB7A10154	B2X3	10
ThinkSystem 2.5" 5200 1.92TB Entry SATA 6Gb Hot Swap SSD	4XB7A10155	B2X4	10
ThinkSystem 2.5" 5200 3.84TB Entry SATA 6Gb Hot Swap SSD	4XB7A10156	B2X5	10
ThinkSystem 2.5" 5200 7.68TB Entry SATA 6Gb Hot Swap SSD	4XB7A10157	B2X6	10
2.5-inch hot-swap SSDs - 5210 Entry 6 Gbps SATA			
ThinkSystem 2.5" 5210 1.92TB Entry SATA 6Gb Hot Swap QLC SSD	4XB7A38144	B7EW	10
ThinkSystem 2.5" 5210 3.84TB Entry SATA 6Gb Hot Swap QLC SSD	4XB7A38145	B7EX	10
ThinkSystem 2.5" 5210 7.68TB Entry SATA 6Gb Hot Swap QLC SSD	4XB7A38146	B7EY	10
2.5-inch hot-swap SSDs - PM863a Entry 6 Gbps SATA			
ThinkSystem 2.5" PM863a 240GB Entry SATA 6Gb Hot Swap SSD	7N47A00111	AUUQ	10
2.5-inch hot-swap SSDs - PM883 Entry 6 Gbps SATA			
ThinkSystem 2.5" PM883 240GB Entry SATA 6Gb Hot Swap SSD	4XB7A10195	B34H	10
ThinkSystem 2.5" PM883 480GB Entry SATA 6Gb Hot Swap SSD	4XB7A10196	B34J	10
ThinkSystem 2.5" PM883 960GB Entry SATA 6Gb Hot Swap SSD	4XB7A10197	B34K	10
ThinkSystem 2.5" PM883 1.92TB Entry SATA 6Gb Hot Swap SSD	4XB7A10198	B34L	10
ThinkSystem 2.5" PM883 3.84TB Entry SATA 6Gb Hot Swap SSD	4XB7A10199	B34M	10
ThinkSystem 2.5" PM883 7.68TB Entry SATA 6Gb Hot Swap SSD	4XB7A10200	B4D2	10
2.5-inch hot-swap SSDs - S4500 Entry 6 Gbps SATA			
ThinkSystem 2.5" Intel S4500 240GB Entry SATA 6Gb Hot Swap SSD	7SD7A05742	B0YY	10

Description	Part number	Feature code	Maximum quantity
ThinkSystem 2.5" Intel S4500 960GB Entry SATA 6Gb Hot Swap SSD	7SD7A05740	B0Z0	10
ThinkSystem 2.5" Intel S4500 1.92TB Entry SATA 6Gb Hot Swap SSD	7SD7A05739	B0Z1	10
2.5-inch hot-swap SSDs - S4510 Entry 6 Gbps SATA			
ThinkSystem 2.5" Intel S4510 240GB Entry SATA 6Gb Hot Swap SSD	4XB7A10247	B498	10
ThinkSystem 2.5" Intel S4510 480GB Entry SATA 6Gb Hot Swap SSD	4XB7A10248	B499	10
ThinkSystem 2.5" Intel S4510 960GB Entry SATA 6Gb Hot Swap SSD	4XB7A10249	B49A	10
ThinkSystem 2.5" Intel S4510 1.92TB Entry SATA 6Gb Hot Swap SSD	4XB7A13622	B49B	10
ThinkSystem 2.5" Intel S4510 3.84TB Entry SATA 6Gb Hot Swap SSD	4XB7A13623	B49C	10
2.5-inch hot-swap SSDs - CM5-V Mainstream U.2 NVMe PCIe*			
ThinkSystem U.2 CM5-V 800GB Mainstream NVMe PCIe 3.0 x4 HS SSD	4XB7A08516	B21W	4
ThinkSystem U.2 CM5-V 1.6TB Mainstream NVMe PCIe 3.0 x4 HS SSD	4XB7A08517	B21X	4
ThinkSystem U.2 CM5-V 3.2TB Mainstream NVMe PCIe 3.0 x4 HS SSD	4XB7A08518	B21Y	4
ThinkSystem U.2 CM5-V 6.4TB Mainstream NVMe PCIe 3.0 x4 HS SSD	4XB7A08519	B2XJ	4
2.5-inch hot-swap SSDs - P4600 Mainstream U.2 NVMe PCIe*			
ThinkSystem U.2 Intel P4600 1.6TB Mainstream NVMe PCIe 3.0 x4 HS SSD	7SD7A05772	B11J	4
2.5-inch hot-swap SSDs - P4610 Mainstream U.2 NVMe PCIe*			
ThinkSystem U.2 Intel P4610 1.6TB Mainstream NVMe PCIe 3.0 x4 HS SSD	4XB7A13936	B589	4
ThinkSystem U.2 Intel P4610 3.2TB Mainstream NVMe PCIe 3.0 x4 HS SSD	4XB7A13937	B58A	4
ThinkSystem U.2 Intel P4610 6.4TB Mainstream NVMe PCIe 3.0 x4 HS SSD	4XB7A13938	B58B	4
2.5-inch hot-swap SSDs - PM963 Entry U.2 NVMe PCIe*			
ThinkSystem U.2 PM963 3.84TB Entry 2.5" NVMe PCIe 3.0 x4 Hot Swap SSD	7N47A00985	AUUU	4
2.5-inch hot-swap SSDs - PM983 Entry U.2 NVMe PCIe*			
ThinkSystem U.2 PM983 1.92TB Entry NVMe PCIe 3.0 x4 Hot Swap SSD	4XB7A10175	B34N	4
ThinkSystem U.2 PM983 3.84TB Entry NVMe PCIe 3.0 x4 Hot Swap SSD	4XB7A10176	B34P	4
ThinkSystem U.2 PM983 7.68TB Entry NVMe PCIe 3.0 x4 Hot Swap SSD	4XB7A10177	B4D3	4
2.5-inch hot-swap SSDs - P4500 Entry U.2 NVMe PCIe*			
ThinkSystem U.2 Intel P4500 4.0TB Entry NVMe PCIe 3.0 x4 HS SSD	7SD7A05777	B11E	4
2.5-inch hot-swap SSDs - P4510 Entry U.2 NVMe PCIe*			
ThinkSystem U.2 Intel P4510 1.0TB Entry NVMe PCIe 3.0 x4 Hot Swap SSD	4XB7A10202	B58F	4
ThinkSystem U.2 Intel P4510 2.0TB Entry NVMe PCIe 3.0 x4 Hot Swap SSD	4XB7A10204	B58G	4
ThinkSystem U.2 Intel P4510 4.0TB Entry NVMe PCIe 3.0 x4 Hot Swap SSD	4XB7A10205	B58H	4
ThinkSystem U.2 Intel P4510 8.0TB Entry NVMe PCIe 3.0 x4 Hot Swap SSD	4XB7A08513	B58J	4
2.5-inch hot-swap SSD SEDs - SS530 Performance 12 Gbps SAS			
ThinkSystem 2.5" SS530 800GB Performance SAS 12Gb Hot Swap SSD SED	4XB7A13989	B6TK	10

* NVMe PCIe SSDs support informed hot removal and hot insertion, provided the operating system supports PCIe SSD hot-swap.

Table 25. Drive options for internal storage: M.2 non-hot-swap drives

Description	Part number	Feature code	Maximum quantity
ThinkSystem M.2 32GB SATA 6Gbps Non-Hot-Swap SSD	7N47A00129	AUUL	2
ThinkSystem M.2 128GB SATA 6Gbps Non-Hot-Swap SSD	7N47A00130	AUUV	2
ThinkSystem M.2 5100 240GB SATA 6Gbps Non-Hot Swap SSD	4XB7A14049	B5S4	2
ThinkSystem M.2 5100 480GB SATA 6Gbps Non-Hot Swap SSD	7SD7A05703	B11V	2

Optical drives

The SR570 server supports the external USB optical drive option listed in the following table.

Table 26. Optical drive

Description	Part number	Feature code	Maximum quantity
ThinkSystem External USB DVD RW Optical Disk Drive	7XA7A05926	AVV8	1

The External USB DVD RW Optical Disk Drive supports the following types of media: CD-ROM, CD-R, CD-RW, DVD-R, DVD+R, DVD-ROM, DVD-RW, and DVD+RW.

I/O expansion

The SR570 server supports one LOM card slot and up to three PCIe slots with different riser cards installed into two riser sockets on the system planar (one riser socket supports installation of one riser card).

The slot form factors are as follows:

- LOM card slot
- Slot 1: PCIe 3.0 x8; low profile
- Slot 2: PCIe 3.0 x16 or ML2 x8; low profile or full-height, half-length
- Slot 3: PCIe 3.0 x8 or x16; low profile

Configuration notes:

- PCIe x16 slot 3 requires the second processor to be installed.
- The COM Port Upgrade Kit is installed in place of one of the PCIe slots 1, 2, or 3.

The locations of the PCIe slots are shown in the following figure.
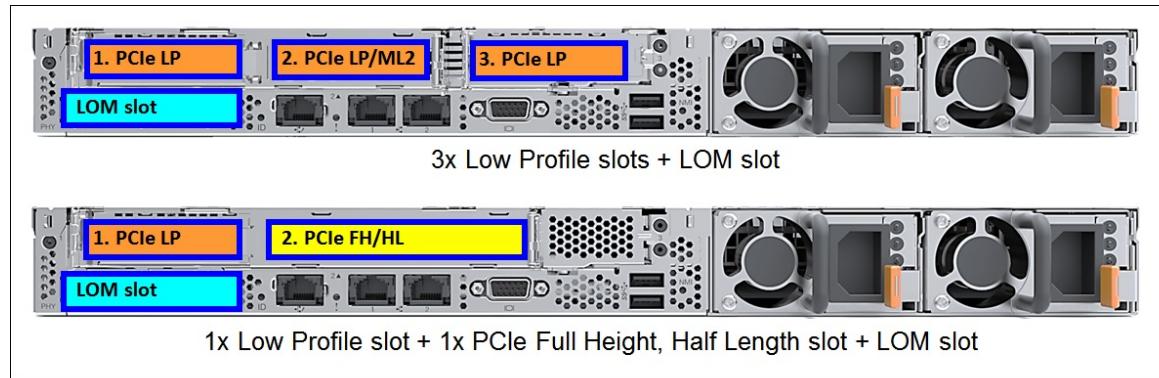
Figure 8. Slot locations

Riser 1 supplies slots 1 and 2, and Riser 2 supplies slot 3. The slots that are available for use depend on the number of riser cards that are installed and whether the second processor is installed, as shown in the following table.

Table 27. Slots available for use

Riser Card 1	Riser Card 2	Slots available for use	
		Processor 1	Processor 2
None	None	LOM	-
None	PCIe x8	LOM, 3	-
None	PCIe x16	LOM	3
PCIe x8/x16 or PCIe x8/x8ML2	None	LOM, 1, 2	-

| Riser Card 1 | Riser Card 2 | Slots available for use | |
		Processor 1	Processor 2
PCIe x8/x16 or PCIe x8/x8ML2	PCIe x8	LOM, 1, 2, 3	-
PCIe x8/x16 or PCIe x8/x8ML2	PCIe x16	LOM, 1, 2	3

The following table lists available PCIe riser card options.

Table 28. PCIe riser cards and miscellaneous options

Description	Part number	Feature code	Maximum quantity
x8 Riser Card 1 options (Riser card 1 supplies slots 1 and 2)			
ThinkSystem SR530/SR570/SR630 x8/x16 PCIe LP+LP Riser 1 Kit	7XH7A02682	AUWC	1
ThinkSystem SR530/SR570/SR630 x8/x16 PCIe LP+FH Riser 1 Kit	7XH7A05893	None*	1
ThinkSystem SR530/SR570 x8/x8ML2 PCIe LP+LP Riser 1 Kit	7XH7A05892	AV0X	1
Riser Card 2 option (Riser card 2 supplies slot 3)			
ThinkSystem SR530/SR570/SR630 x16 PCIe LP Riser 2 Kit	7XH7A02685	AUWA	1
ThinkSystem SR530/SR570 x8 PCIe LP Riser 2 Kit	7XH7A05891	AV0W	1
Serial port upgrade kit			
ThinkSystem COM Port Upgrade Kit	7Z17A02577	AUSL	1

* The LP+FH Riser 1 can be factory-installed by selecting the feature codes AUWC (LP+LP Riser 1) and AUWS (LP+FH Bracket).

The COM Port Upgrade Kit, part number 7Z17A02577, is used for mounting the external serial port on the rear of the SR570. This option includes the bracket and the cable. The COM Port option is mounted in place of one of the PCIe slots 1, 2, or 3.

Network adapters

The SR570 server has two onboard 1 GbE ports (no 10/100 Mb support) and up to two additional onboard 1/10 GbE network ports (no 10/100 Mb support) with optional LOM cards. Onboard ports and LOM cards use the Intel Ethernet Connection X722 1/10 GbE technology integrated into the Intel C622 Platform Controller Hub (PCH). The server also supports ML2 adapters that are installed in the custom ML2 slot provided by an ML2 riser card. The LOM cards support direct connectivity to the XClarity Controller via the Network Controller Sideband Interface (NSCI) for out-of-band systems management.

Note: ML2 network adapters do not support NSCI when used in the SR570 server.

The integrated Intel Ethernet Connection X722 has the following features:

- Two 1 Gb Ethernet ports (no 10/100 Mb Ethernet support)
- Two 1/10 Gb Ethernet capable ports (no 10/100 Mb Ethernet support)
- NIC Teaming (load balancing and failover)
- Data Center Bridging
- iWARP (RDMA over IP)
- VMDq and SR-IOV virtualization (10 Gb speeds only, 4 PFs, 128 VFs per device)
- IEEE 802.1q Virtual Local Area Networks (VLANs)
- NVGRE, VXLAN, IPinGRE, and MACinUDP network virtualization
- IEEE 802.1Qbg Edge Virtual Bridging
- TCP, IP, and UDP checksum offload
- Large Send Offload (LSO) and Generic Send Offload (GSO)
- Receive Side Scaling (RSS) for TCP and UDP traffic
- Jumbo frames up to 9.5 Kbytes

The following table lists the network adapters that are supported with the SR570 server.

Table 29. Network adapters

Description	Part number	Feature code	Max qty	I/O slots supported
LOM cards - 1 Gb Ethernet				
ThinkSystem 1Gb 2-port RJ45 LOM	7ZT7A00544	AUKG	1	LOM slot
LOM cards - 10 Gb Ethernet				
ThinkSystem 10Gb 2-port Base-T LOM	7ZT7A00548	AUKL	1	LOM slot
ThinkSystem 10Gb 2-port SFP+ LOM	7ZT7A00546	AUKJ	1*	LOM slot
ML2 adapters - 10 Gb Ethernet				
Broadcom NX-E ML2 10Gb 2-Port Base-T Ethernet Adapter	7ZT7A00497	AUKQ	1	2 (ML2)
Emulex VFA5.2 ML2 Dual Port 10GbE SFP+ Adapter	00AG560	AT7U	1*	2 (ML2)
Emulex VFA5.2 ML2 2x10 GbE SFP+ Adapter and FCoE/iSCSI SW	01CV770	AU7Z	1*	2 (ML2)
Intel X710-DA2 ML2 2x10GbE SFP+ Adapter	00JY940	ATRH	1*	2 (ML2)
PCIe Low Profile adapters - 1 Gb Ethernet				
Broadcom 5720 1GbE RJ45 2-Port PCIe Ethernet Adapter	7ZT7A00482	AUZX	3	1, 2, 3
Broadcom 5719 1GbE RJ45 4-Port PCIe Ethernet Adapter	7ZT7A00484	AUZV	3	1, 2, 3
ThinkSystem I350-F1 PCIe 1Gb 1-Port SFP Ethernet Adapter	7ZT7A00533	AUZZ	3	1, 2, 3
ThinkSystem I350-T2 PCIe 1Gb 2-Port RJ45 Ethernet Adapter	7ZT7A00534	AUZY	3	1, 2, 3
ThinkSystem I350-T4 PCIe 1Gb 4-Port RJ45 Ethernet Adapter	7ZT7A00535	AUZW	3	1, 2, 3
PCIe Low Profile adapters - 10 Gb Ethernet				
Broadcom 57416 10GBASE-T 2-Port PCIe Ethernet Adapter	7ZT7A00496	AUKP	3	1, 2, 3
Emulex VFA5.2 2x10 GbE SFP+ PCIe Adapter	00AG570	AT7S	3*	1, 2, 3
Emulex VFA5.2 2x10 GbE SFP+ Adapter and FCoE/iSCSI SW	00AG580	AT7T	3*	1, 2, 3
Intel X550-T2 Dual Port 10GBase-T Adapter	00MM860	ATPX	3	1, 2, 3
Intel X710-DA2 PCIe 10Gb 2-Port SFP+ Ethernet Adapter	7ZT7A00537	AUKX	3*	1, 2, 3
QLogic QL41134 PCIe 10Gb 4-Port Base-T Ethernet Adapter	4XC7A08225	B31G	3	1, 2, 3
PCIe Full Height adapters - 10 Gb Ethernet				
Emulex OCe14104B-NX PCIe 10Gb 4-Port SFP+ Ethernet Adapter	7ZT7A00493	AUKN	1*	2
PCIe Low Profile adapters - 25 Gb Ethernet				
Broadcom 57412 10/25GbE SFP28 1-Port PCIe Ethernet Adapter	7ZT7A00505	AUKS	3*	1, 2, 3
QLogic QL41262 10/25GbE SFP28 2-Port PCIe Ethernet Adapter	4XC7A08228	B21R	3*	1, 2, 3

* The adapter comes without transceivers or cables; for ordering transceivers or cables, see the configuration notes below the table.

Configuration notes:

- ML2 network adapters are supported in the ML2 x8 slot 2 supplied by the x8/x8ML2 Riser Card 1 (7XH7A05892).
- PCIe full-height network adapters are supported in the full-height PCIe x16 slot 2 supplied by the PCIe x8/x16 LP+FH Riser Card 1 (7XH7A05893).
- PCIe Low Profile network adapters are supported in the low profile and full-height PCIe x8 and x16 slots supplied by the riser cards 1 and 2. The PCIe x16 slot 3 requires the second processor to be installed.

- Supported transceivers or DAC cables should be purchased for the 10 GbE SFP+ adapters, and UTP Category 6 or Category 5e cables should be purchased for the 10 GbE (Cat6) or 1 GbE (Cat5e or Cat6) RJ-45 adapters. The maximum number of transceivers or cables that are supported per adapter equals the quantity of the adapter ports, and all adapter ports must have the same type of the transceiver or cable selected.
  The following transceiver and cables can be purchased:

  - Transceivers and cables for 10 GbE SFP+ adapters
  - UTP cables for 10 GbE and 1 GbE RJ-45 adapters
  - Transceivers and cables for 25 GbE SFP28 adapters

The following table lists transceivers and cables for the 10 GbE SFP+ adapters.

Table 30. Transceivers and cables for 10 GbE SFP+ adapters

Description	Part number	Feature code
10 GbE SFP+ SR transceivers for 10 GbE SFP+ adapters		
Lenovo 10GBASE-SR SFP+ Transceiver	46C3447	5053
Lenovo 10GBASE-LR SFP+ Transceiver	00FE331	B0RJ
Optical cables for 10 GbE SFP+ SR transceivers		
Lenovo 0.5m LC-LC OM3 MMF Cable	00MN499	ASR5
Lenovo 1m LC-LC OM3 MMF Cable	00MN502	ASR6
Lenovo 3m LC-LC OM3 MMF Cable	00MN505	ASR7
Lenovo 5m LC-LC OM3 MMF Cable	00MN508	ASR8
Lenovo 10m LC-LC OM3 MMF Cable	00MN511	ASR9
Lenovo 15m LC-LC OM3 MMF Cable	00MN514	ASRA
Lenovo 25m LC-LC OM3 MMF Cable	00MN517	ASRB
Lenovo 30m LC-LC OM3 MMF Cable	00MN520	ASRC
Passive SFP+ DAC cables for 10 GbE SFP+ adapters		
Lenovo 0.5m Passive SFP+ DAC Cable	00D6288	A3RG
Lenovo 1m Passive SFP+ DAC Cable	90Y9427	A1PH
Lenovo 1.5m Passive SFP+ DAC Cable	00AY764	A51N
Lenovo 2m Passive SFP+ DAC Cable	00AY765	A51P
Lenovo 3m Passive SFP+ DAC Cable	90Y9430	A1PJ
Lenovo 5m Passive SFP+ DAC Cable	90Y9433	A1PK
Lenovo 7m Passive SFP+ DAC Cable	00D6151	A3RH
Active SFP+ DAC cables for 10 GbE SFP+ adapters*		
Lenovo 1m Active DAC SFP+ Cable	00VX111	AT2R
Lenovo 3m Active DAC SFP+ Cable	00VX114	AT2S
Lenovo 5m Active DAC SFP+ Cable	00VX117	AT2T
SFP+ active optical cables for 10 GbE SFP+ adapters		
Lenovo 1m SFP+ to SFP+ Active Optical Cable	00YL634	ATYX
Lenovo 3m SFP+ to SFP+ Active Optical Cable	00YL637	ATYY
Lenovo 5m SFP+ to SFP+ Active Optical Cable	00YL640	ATYZ
Lenovo 7m SFP+ to SFP+ Active Optical Cable	00YL643	ATZ0
Lenovo 15m SFP+ to SFP+ Active Optical Cable	00YL646	ATZ1
Lenovo 20m SFP+ to SFP+ Active Optical Cable	00YL649	ATZ2

* The Emulex VFA5.2 ML2 (00AG560 and 01CV770) and PCIe (00AG570 and 00AG580) network adapters do not support active SFP+ DAC cables.

The following table lists cables for the 10 GbE and 1 GbE RJ-45 adapters.

Table 31. Cables for 10 GbE and 1 GbE RJ-45 adapters

Description	Part number	Feature code
UTP Category 6 cables (Green) for 10 GbE and 1 GbE RJ-45 adapters		
0.75m CAT6 Green Cable	00WE123	AVFW
1.0m CAT6 Green Cable	00WE127	AVFX
1.25m CAT6 Green Cable	00WE131	AVFY
1.5m CAT6 Green Cable	00WE135	AVFZ
3m CAT6 Green Cable	00WE139	AVG0
10m CAT6 Green Cable	90Y3718	A1MT
25m CAT6 Green Cable	90Y3727	A1MW
UTP Category 5e cables (Blue) for 1 GbE RJ-45 adapters		
0.75m Blue Cat5e Cable	00WE111	AVFT
1.0m Blue Cat5e Cable	00WE115	AVFU
1.25m Blue Cat5e Cable	00WE119	AVFV
1.5m Blue Cat5e Cable	40K8785	3802
3m Blue Cat5e Cable	40K5581	3803
10m Blue Cat5e Cable	40K8927	3804
25m Blue Cat5e Cable	40K8930	3805
UTP Category 5e cables (Green) for 1 GbE RJ-45 adapters		
0.75m Green Cat5e Cable	00WE099	AVFQ
1.0m Green Cat5e Cable	00WE103	AVFR
1.25m Green Cat5e Cable	00WE107	AVFS
1.5m Green Cat5e Cable	40K5643	3797
3m Green Cat5e Cable	40K5793	3798
10m Green Cat5e Cable	40K5794	3799
25m Green Cat5e Cable	40K8869	3800

The following table lists transceivers and cables for the 25 GbE SFP28 adapters.

Table 32. Transceivers and cables for 25 GbE SFP28 adapters

Description	Part number	Feature code
25 GbE SFP28 SR transceivers for 25 GbE SFP28 adapters		
Lenovo 25GBase-SR SFP28 Transceiver	7G17A03537	AV1B
Optical cables for 25 GbE SFP28 SR transceivers		
Lenovo 0.5m LC-LC OM3 MMF Cable	00MN499	ASR5
Lenovo 1m LC-LC OM3 MMF Cable	00MN502	ASR6
Lenovo 3m LC-LC OM3 MMF Cable	00MN505	ASR7
Lenovo 5m LC-LC OM3 MMF Cable	00MN508	ASR8
Lenovo 10m LC-LC OM3 MMF Cable	00MN511	ASR9
Lenovo 15m LC-LC OM3 MMF Cable	00MN514	ASRA
Lenovo 25m LC-LC OM3 MMF Cable	00MN517	ASRB
Passive copper cables for 25 GbE SFP28 network adapters		
Lenovo 3m Passive 25G SFP28 DAC Cable	7Z57A03558	AV1X

Description	Part number	Feature code
Lenovo 5m Passive 25G SFP28 DAC Cable	7Z57A03559	AV1Y
Active optical cables for 25 GbE SFP28 network adapters		
Lenovo 3m 25G SFP28 Active Optical Cable	7Z57A03541	AV1F
Lenovo 5m 25G SFP28 Active Optical Cable	7Z57A03542	AV1G
Lenovo 10m 25G SFP28 Active Optical Cable	7Z57A03543	AV1H
Lenovo 15m 25G SFP28 Active Optical Cable	7Z57A03544	AV1J
Lenovo 20m 25G SFP28 Active Optical Cable	7Z57A03545	AV1K

For more information, see the list of Product Guides in the Ethernet adapters category:
http://lenovopress.com/servers/options/ethernet#rt=product-guide

SAS adapters for external storage

The following table lists SAS RAID controllers and HBAs for external storage attachments that are supported by the SR570 server.

Table 33. SAS RAID adapters and HBAs for external storage

Description	Part number	Feature code	Maximum quantity	I/O slots supported
12 Gbps SAS RAID adapters				
ThinkSystem RAID 930-8e 4GB Flash PCIe 12Gb Adapter	7Y37A01087	AUNQ	2	1, 2, 3
12 Gbps SAS HBAs				
ThinkSystem 430-8e SAS/SATA 12Gb HBA	7Y37A01090	AUNR	3	1, 2, 3
ThinkSystem 430-16e SAS/SATA 12Gb HBA	7Y37A01091	AUNN	3	1, 2, 3

Configuration notes:

- Low profile SAS RAID controllers and HBAs for external storage are supported in the low profile and full-high PCIe x8 and x16 slots supplied by the riser cards 1 and 2. The PCIe x16 slot 3 requires the second processor to be installed.

- The total quantity of the RAID 730-8i 2GB, RAID 930-8i, and RAID 930-8e controllers in a supported combination in the server must not exceed 2 (up to 2 supercapacitors can be mounted in the server).

The following table summarizes features of supported RAID controllers and HBAs for external storage.

Table 34. Features and specifications of the RAID controllers and HBAs for external storage

Feature	RAID 930-8e	430-8e HBA	430-16e HBA
Form factor	PCIe LP	PCIe LP	PCIe LP
SAS controller chip	SAS3516	SAS3408	SAS3416
Host interface	PCIe 3.0 x8	PCIe 3.0 x8	PCIe 3.0 x8
Port interface	12 Gb SAS	12 Gb SAS	12 Gb SAS
Number of ports	8	8	16
Connector type	SFF-8644 x4	SFF-8644 x4	SFF-8644 x4
Number of connectors	2	2	4
Drive interface	SAS, SATA	SAS, SATA	SAS, SATA
Drive type	HDD, SSD, SED	HDD, SSD, SED*	HDD, SSD, SED*
Hot-swap drive support	Yes	Yes	Yes

Feature	RAID 930-8e	430-8e HBA	430-16e HBA
Number of devices	240	1024	1024
RAID levels	0/1/10/5/50/6/60	None	None
JBOD mode	Yes	Yes	Yes
Cache	4 GB	None	None
Cache protection	Flash backup (Included)	None	None
SED key management (SafeStore)	Yes	No	No
SSD I/O acceleration (FastPath)	Yes	No	No
SSD Caching (CacheCade Pro 2.0)	No**	No	No
Consistency check	Yes	No	No
Patrol read	Yes	No	No
Online capacity expansion	Yes	No	No
Online RAID level migration	Yes	No	No
Global Hot Spare	Yes	No	No
Auto-rebuild	Yes	No	No

* HBAs do not support key management for SEDs; third-party host software is responsible for managing the keys.
** The SSD caching feature has been phased out in the new generation of advanced RAID controllers.

For more information, see the list of Product Guides in the following categories:

- RAID adapters
  http://lenovopress.com/servers/options/raid#rt=product-guide
- Host bus adapters
  http://lenovopress.com/servers/options/hba#rt=product-guide

Fibre Channel host bus adapters

The following table lists Fibre Channel HBAs supported by the SR570 server.

Table 35. Fibre Channel HBAs

Description	Part number	Feature code	Maximum quantity	I/O slots supported
16 Gb Fibre Channel - PCIe				
Emulex 16Gb Gen6 FC Single-port HBA	01CV830	ATZU	3	1, 2, 3
Emulex 16Gb Gen6 FC Dual-port HBA	01CV840	ATZV	3	1, 2, 3
QLogic 16Gb Enhanced Gen5 FC Single-port HBA	01CV750	ATZB	3	1, 2, 3
QLogic 16Gb Enhanced Gen5 FC Dual-port HBA	01CV760	ATZC	3	1, 2, 3
8 Gb Fibre Channel - PCIe (available only in PRC and Asia Pacific)				
Emulex LPe12000-M8-L PCIe 8Gb 1-Port SFP+ FC HBA	4XC7A08220	B0WZ	3	1, 2, 3
Emulex LPe12002-M8-L PCIe 8Gb 2-Port SFP+ FC HBA	4XC7A08221	B0X0	3	1, 2, 3

Configuration note: FC HBAs are supported in the low profile and full-high PCIe x8 and x16 slots supplied by the riser cards 1 and 2. The PCIe x16 slot 3 requires the second processor to be installed.

For more information, see the list of Product Guides in the Host bus adapters category:
http://lenovopress.com/servers/options/hba#rt=product-guide

Flash storage adapters

The SR570 server supports the flash storage adapters listed in the following table.

Table 36. Flash storage adapters

Description	Part number	Feature code	Maximum quantity	I/O slots supported
Mainstream Flash Adapters - CM5-V				
CM5-V 1.6TB Mainstream NVMe PCIe 3.0 x4 Flash Adapter	4XB7A08520	B32L	3	1, 2, 3
CM5-V 3.2TB Mainstream NVMe PCIe 3.0 x4 Flash Adapter	4XB7A08521	B32M	3	1, 2, 3
CM5-V 6.4TB Mainstream NVMe PCIe 3.0 x4 Flash Adapter	4XB7A08522	B32N	3	1, 2, 3
Mainstream Flash Adapters - P4600				
Intel P4600 2.0TB Mainstr. NVMe PCIe 3.0 x4 Flash Adapter	7SD7A05769	B11X	3	1, 2, 3
Intel P4600 4.0TB Mainstr. NVMe PCIe 3.0 x4 Flash Adapter	7SD7A05768	B11Y	3	1, 2, 3

Configuration notes:

- Flash storage adapters are supported in the low profile and full-height PCIe x8 and x16 slots supplied by the riser cards 1 and 2. The PCIe x16 slot 3 requires the second processor to be installed.
- The Flash storage adapters are supported only in the environments with the air temperature of up to 35 °C (95 °F).

For more information, see the list of Product Guides in the Flash storage adapters category:
http://lenovopress.com/servers/options/ssdadapter#rt=product-guide

Cooling

The SR570 server supports up to six hot-swap system fans that provide N+1 cooling redundancy. SR570 server models with 4x 3.5-inch or 8x 2.5-inch drive bays use single-rotor fans: Models with one processor include four system fans, and models with two processors include six system fans. SR570 server models with 10x 2.5-inch drive bays include six dual-rotor fans for models with one or two processors.

Configuration note: The server performance might be impacted in case of a system fan failure in the configurations with Gold 6240Y or 6252N processors.

The following table shows additional cooling options.

Table 37. Cooling options

Description	Part number	Feature code	Maximum quantity
ThinkSystem SR570 FAN Option Kit	4F17A12352	AXET	1

Configuration note: The SR570 FAN Option Kit (4F17A12352) includes two single-rotor system fans that are required for field upgrades that add a second processor to the server models with 4x 3.5-inch or 8x 2.5-inch drive bays. If two processors are selected in the initial server configurations, two single-rotor fans for the second processor are derived by the configurator.

Power supplies and cables

The SR570 server supports up to two redundant power supplies and is capable of N+N redundancy depending on the configuration. A second power supply can be added to the models that come with one power supply.

The following table lists the power supply options.

Table 38. Power supplies

Description	Part number	Feature code	Maximum quantity
ThinkSystem 550W (230V/115V) Platinum Hot-Swap Power Supply	7N67A00882	AXEQ	2
ThinkSystem 750W (230/115V) Platinum Hot-Swap Power Supply	7N67A00883	AXER	2
ThinkSystem 750W (230V) Titanium Hot-Swap Power Supply	7N67A00884	AXES	2

General power supply rules are as follows:

- Minimum of 1 and maximum of 2 power supplies per system.
- If 2 are installed, power supplies must be identical.
- Power supplies support AC (Worldwide) and HVDC (PRC only) power sources.

Important: The Standalone Solution Configuration Tool (SSCT) and Lenovo Data Center Solution Configurator (DCSC) power supply selection rules allow a subset of possible configurations due to power restrictions. Configurations that cannot be built in SSCT or DCSC due to power restrictions may still be supported. To verify support and ensure that the right power supply is chosen for optimal performance, you should always validate your server configuration using the latest version of the Lenovo Capacity Planner: http://datacentersupport.lenovo.com/us/en/solutions/lnvo-lcp

The SR570 server ship standard with or without a power cord (model dependent). A hot-swap power supply option ships without a power cord.

The following table lists the line cords and rack power cables that can be ordered for the SR570 server.

Table 39. Power cables

Description	Part number	Feature code
Rack power cables		
1.0m, 10A/125-250V, C13 to IEC 320-C14 Rack Power Cable	00Y3043	A4VP
1.0m, 13A/100-250V, C13 to IEC 320-C14 Rack Power Cable	4L67A08367	B0N5
1.2m, 16A/100-250V, 2 Short C13s to Short C20 Rack Power Cable	47C2491	A3SW
1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	39Y7937	6201
1.5m, 13A/100-250V, C13 to IEC 320-C14 Rack Power Cable	4L67A08368	B0N6
2.0m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	4L67A08365	B0N4
2.0m, 13A/125V-10A/250V, C13 to IEC 320-C14 Rack Power Cable	4L67A08369	6570
2.5m, 16A/100-250V, 2 Long C13s to Short C20 Rack Power Cable	47C2492	A3SX
2.8m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	4L67A08366	6311
2.8m, 13A/125V-10A/250V, C13 to IEC 320-C14 Rack Power Cable	4L67A08370	6400
2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	39Y7938	6204
2.8m, 16A/100-250V, 2 Short C13s to Long C20 Rack Power Cable	47C2493	A3SY
4.1m, 16A/100-250V, 2 Long C13s to Long C20 Rack Power Cable	47C2494	A3SZ
4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	39Y7932	6263
4.3m, 13A/125V-10A/250V, C13 to IEC 320-C14 Rack Power Cable	4L67A08371	6583
Line cords		
Argentina 2.8m, 10A/250V, C13 to IRAM 2073 Line Cord	39Y7930	6222
Argentina 4.3m, 10A/250V, C13 to IRAM 2073 Line Cord	81Y2384	6492
Australia/New Zealand 2.8m, 10A/250V, C13 to AS/NZS 3112 Line Cord	39Y7924	6211

Description	Part number	Feature code
Australia/New Zealand 4.3m, 10A/250V, C13 to AS/NZS 3112 Line Cord	81Y2383	6574
Brazil 2.8m, 10A/250V, C13 to NBR 14136 Line Cord	69Y1988	6532
Brazil 4.3m, 10A/250V, C13 to NBR14136 Line Cord	81Y2387	6404
China 2.8m, 10A/250V, C13 to GB 2099.1 Line Cord	39Y7928	6210
China 4.3m, 10A/250V, C13 to GB 2099.1 Line Cord	81Y2378	6580
Denmark 2.8m, 10A/250V, C13 to DK2-5a Line Cord	39Y7918	6213
Denmark 4.3m, 10A/250V, C13 to DK2-5a Line Cord	81Y2382	6575
Europe 2.8m, 10A/250V, C13 to CEE7-VII Line Cord	39Y7917	6212
Europe 4.3m, 10A/250V, C13 to CEE7-VII Line Cord	81Y2376	6572
India 2.8m, 10A/250V, C13 to IS 6538 Line Cord	39Y7927	6269
India 4.3m, 10A/250V, C13 to IS 6538 Line Cord	81Y2386	6567
Israel 2.8m, 10A/250V, C13 to SI 32 Line Cord	39Y7920	6218
Israel 4.3m, 10A/250V, C13 to SI 32 Line Cord	81Y2381	6579
Italy 2.8m, 10A/250V, C13 to CEI 23-16 Line Cord	39Y7921	6217
Italy 4.3m, 10A/250V, C13 to CEI 23-16 Line Cord	81Y2380	6493
Japan 2.8m, 12A/125V, C13 to JIS C-8303 Line cord	46M2593	A1RE
Japan 2.8m, 12A/250V, C13 to JIS C-8303 Line Cord	4L67A08357	6533
Japan 4.3m, 12A/125V, C13 to JIS C-8303 Line Cord	39Y7926	6335
Japan 4.3m, 12A/250V, C13 to JIS C-8303 Line Cord	4L67A08362	6495
Korea 2.8m, 12A/250V, C13 to KS C8305 Line Cord	39Y7925	6219
Korea 4.3m, 12A/250V, C13 to KS C8305 Line Cord	81Y2385	6494
South Africa 2.8m, 10A/250V, C13 to SABS 164 Line Cord	39Y7922	6214
South Africa 4.3m, 10A/250V, C13 to SABS 164 Line Cord	81Y2379	6576
Switzerland 2.8m, 10A/250V, C13 to SEV 1011-S24507 Line Cord	39Y7919	6216
Switzerland 4.3m, 10A/250V, C13 to SEV 1011-S24507 Line Cord	81Y2390	6578
Taiwan 2.8m, 10A/125V, C13 to CNS 10917-3 Line Cord	23R7158	6386
Taiwan 2.8m, 10A/250V, C13 to CNS 10917-3 Line Cord	81Y2375	6317
Taiwan 2.8m, 15A/125V, C13 to CNS 10917-3 Line Cord	81Y2374	6402
Taiwan 4.3m, 10A/125V, C13 to CNS 10917-3 Line Cord	4L67A08363	AX8B
Taiwan 4.3m, 10A/250V, C13 to CNS 10917-3 Line Cord	81Y2389	6531
Taiwan 4.3m, 15A/125V, C13 to CNS 10917-3 Line Cord	81Y2388	6530
United Kingdom 2.8m, 10A/250V, C13 to BS 1363/A Line Cord	39Y7923	6215
United Kingdom 4.3m, 10A/250V, C13 to BS 1363/A Line Cord	81Y2377	6577
United States 2.8m, 10A/125V, C13 to NEMA 5-15P Line Cord	90Y3016	6313
United States 2.8m, 10A/250V, C13 to NEMA 6-15P Line Cord	46M2592	A1RF
United States 2.8m, 13A/125V, C13 to NEMA 5-15P Line Cord	00WH545	6401
United States 4.3m, 10A/125V, C13 to NEMA 5-15P Line Cord	4L67A08359	6370
United States 4.3m, 10A/250V, C13 to NEMA 6-15P Line Cord	4L67A08361	6373
United States 4.3m, 13A/125V, C13 to NEMA 5-15P Line Cord	4L67A08360	AX8A

Systems management

The SR570 supports the following systems management tools:

- Lenovo XClarity Controller
- Light path diagnostics
- Lenovo XClarity Provisioning Manager
- Lenovo XClarity Essentials
- Lenovo XClarity Administrator
- Lenovo XClarity Integrators
- Lenovo XClarity Energy Manager
- Lenovo Capacity Planner

Lenovo XClarity Controller

The SR570 server contains Lenovo XClarity Controller (XCC), which provides advanced service-processor control, monitoring, and alerting functions. XClarity Controller offers three functional levels: Standard, Advanced, and Enterprise.

By default, the SR570 server includes XClarity Controller Standard features, and it can be upgraded to Advanced or Enterprise functionality by using the Features on Demand (FoD) upgrades.

XClarity Controller Standard offers the following capabilities:

- Gathering and viewing system information and inventory
- Monitoring system status and health
- Alerting and notifications
- Event logging
- Configuring network connectivity
- Configuring security
- Updating system firmware
- Configuring server settings and devices
- Real-time power usage monitoring
- Remotely controlling server power (Power on, Power off, Restart)
- Managing FoD activation keys
- Redirecting serial console via IPMI
- Capturing the video display contents when an operating system hang condition is detected

XClarity Controller Advanced Upgrade adds the following functionality to the Standard features:

- Remotely viewing video with the following graphics resolutions:
  - Up to 1600x1200 with up to 23 bits per pixel; or
  - Up to 1920x1200 with up to 15 bits per pixel
- Remotely accessing the server using the keyboard and mouse from a remote client
- Remotely deploying an operating system
- Syslog alerting
- Redirecting serial console via SSH
- Displaying graphics for real-time and historical power usage data and temperature

XClarity Controller Enterprise Upgrade adds the following functionality to the Advanced features:

- Capping power usage
- Mapping the ISO and image files located on the local client as virtual drives for use by the server
- Mounting the remote ISO and image files via HTTPS, SFTP, CIFS, and NFS
- Collaborating across up to six users of the virtual console
- Controlling quality and bandwidth usage

The XClarity Controller provides remote server management through industry-standard interfaces:

- Intelligent Platform Management Interface (IPMI) Version 2.0
- Simple Network Management Protocol (SNMP) Version 3
- Common Information Model (CIM)
- Data Center Manageability Interface (DCMI) Version 1.5
- Redfish REpresentational State Transfer (REST) API
- Web browser with HTML5 support
- Command-line interface
- Virtual Operator Panel with XClarity Mobile App via the front USB port with XClarity Controller access

Virtual Operator Panel provides quick access to system status, firmware, network, health, and alerts information. With proper authentication, it also allows to configure systems management and network settings and to control system power (Power on, Power off, Restart). The Virtual Operator Panel can be accessed from the XClarity Mobile App running on the Android or iOS mobile device that is connected to the front USB port with XClarity Controller access (See Components and connectors).

Note: Depending on the system settings, the front USB port can be assigned to XClarity Controller for management functions, or to the system as a regular USB 2.0 port, or switched between two functions by using the system ID button.

The following table lists the XClarity Controller FoD upgrades.

Table 40. XClarity Controller FoD upgrades

Description	Part number	Feature code	Maximum quantity
ThinkSystem XClarity Controller Standard to Advanced Upgrade	4L47A09132	AVUT	1
ThinkSystem XClarity Controller Standard to Enterprise Upgrade	None*	AUPW	1
ThinkSystem XClarity Controller Advanced to Enterprise Upgrade	4L47A09133	None**	1

* Factory-installed only.
** Field-upgrade only.

Configuration notes:

- For factory-installed upgrades, either Standard to Advanced Upgrade (feature AVUT) or Standard to Enterprise Upgrade (feature AUPW) can be selected, but not both.

- For field upgrades, the Advanced to Enterprise Upgrade (4L47A09133) requires the Standard to Advanced Upgrade to be activated on the server previously with either the factory-installed feature AVUT or field upgrade 4L47A09132.

Light path diagnostics

All SR570 server models include basic light path diagnostics, which provides the system error LED on the Operator information panel on the front of the server and the LEDs near the monitored components (for example, the DIMM error LEDs on the system board).

Lenovo XClarity Provisioning Manager

Lenovo XClarity Provisioning Manager is a UEFI-embedded GUI application that combines the functions of configuring system setup settings, configuring RAID, and updating applications and firmware. It also enables you to install the supported operating systems and associated device drivers, run diagnostics, and collect service data.

Lenovo XClarity Provisioning Manager has the following features:

- Automatic hardware detection
- Collecting and viewing system inventory information
- Configuring UEFI system setup settings
- Updating the system firmware
- Configuring RAID by using the RAID Setup Wizard or Advanced mode
- Installing an operating system and device drivers automatically or manually
- Running diagnostics and collecting service data

Lenovo XClarity Essentials

Lenovo offers the following XClarity Essentials software tools that can help you set up, use, and maintain the server at no additional cost:

- Lenovo XClarity Essentials OneCLI
  OneCLI is a collection of server management tools that utilize a command line interface program to manage firmware, hardware, and operating systems. It provides functions to collect full system health information (including health status), configure system setting, and update system firmware and drivers.

- Lenovo XClarity Essentials UpdateXpress
  The UpdateXpress tool is a standalone GUI application for firmware and device driver updates that enables you to maintain your server firmware and device drivers up-to-date and help you avoid unnecessary server outages. The tool acquires and deploys individual updates and UpdateXpress System Packs (UXSPs) which are integration-tested bundles.

- Lenovo XClarity Essentials Bootable Media Creator
  The Bootable Media Creator (BOMC) tool is used to create bootable media for offline firmware update.

For more information and downloads, visit the Lenovo XClarity Essentials web page:
http://support.lenovo.com/us/en/documents/LNVO-center

Lenovo XClarity Administrator

Lenovo XClarity is a centralized systems management solution that helps administrators deliver infrastructure faster. This solution integrates easily with Lenovo x86 servers, RackSwitch switches, and DS Series storage, providing automated agent-less discovery, monitoring, firmware updates, configuration management, and bare metal deployment of operating systems and hypervisors across multiple servers.

Lenovo XClarity Administrator is an optional software component for the SR570 server which can be downloaded and used at no charge to discover and monitor the SR570 and manage firmware upgrades for them.

If software support is required for Lenovo XClarity Administrator, or Lenovo XClarity Administrator premium features (such as configuration management and operating system deployment) are required, or both, Lenovo XClarity Pro software subscription should be ordered. Lenovo XClarity Pro is licensed on a per managed system basis, that is, each managed Lenovo system requires a license.

The following table lists the geo-specific Lenovo XClarity software license options.

Table 41. Lenovo XClarity software options

Description	Part number (NA, AP, Japan)*	Part number (EMEA, LA)**	Maximum quantity
Lenovo XClarity Pro, per Managed Endpoint w/1 Yr SW S&S	00MT201	00MT207	1
Lenovo XClarity Pro, per Managed Endpoint w/3 Yr SW S&S	00MT202	00MT208	1
Lenovo XClarity Pro, per Managed Endpoint w/5 Yr SW S&S	00MT203	00MT209	1

* NA = North America; AP = Asia Pacific
** EMEA = Europe, Middle East, Africa; LA = Latin America

Lenovo XClarity Administrator offers the following standard features that are available at no charge:

- Auto-discovery and monitoring of Lenovo x86 servers, RackSwitch switches, Flex System chassis, and DS Series storage systems
- Firmware updates and compliance enforcement
- External alerts and notifications via SNMP traps, syslog remote logging, and e-mail
- Secure connections to managed endpoints
- NIST 800-131A or FIPS 140-2 compliant cryptographic standards between the management solution and managed endpoints
- Integration into existing higher level management systems such as cloud automation and orchestration tools through REST APIs, providing extensive external visibility and control over hardware resources
- An intuitive, easy-to-use GUI
- Scripting with Windows PowerShell, providing command-line visibility and control over hardware resources

Lenovo XClarity Administrator offers the following premium features that require an optional Pro license:

- Pattern-based configuration management that allows to define configurations once and apply repeatedly without errors when deploying new servers or redeploying existing servers without disrupting the fabric
- Bare-metal deployment of operating systems and hypervisors to streamline infrastructure provisioning

For more information, refer to the Lenovo XClarity Administrator Product Guide:
http://lenovopress.com/tips1200

Lenovo XClarity Integrators

Lenovo offers at no charge (if software support is required, a Lenovo XClarity Pro software subscription license should be ordered) two software plug-in modules, Lenovo XClarity Integrators, to manage physical infrastructure from leading external virtualization management software tools from Microsoft and VMware:

- Lenovo XClarity Integrator for Microsoft System Center
- Lenovo XClarity Integrator for VMware vCenter

Lenovo XClarity Integrators offer the following additional features:

- Ability to discover, manage, and monitor Lenovo server hardware from VMware vCenter or Microsoft System Center
- Deployment of firmware updates and configuration patterns to Lenovo x86 rack servers and Flex System from the virtualization management tool
- Non-disruptive server maintenance in clustered environments that reduces workload downtime by dynamically migrating workloads from affected hosts during rolling server updates or reboots
- Greater service level uptime and assurance in clustered environments during unplanned hardware events by dynamically triggering workload migration from impacted hosts when impending hardware failures are predicted

For more information, refer to the Lenovo XClarity Integrators web page:
http://www3.lenovo.com/us/en/data-center/software/systems-management/xclarity-integrators

Lenovo XClarity Energy Manager

Lenovo XClarity Energy Manager provides a stand-alone, web-based agent-less power management console that provides real time data and enables you to observe, plan and manage power and cooling for Lenovo servers. Using built-in intelligence, it identifies server power consumption trends and ideal power settings and performs cooling analysis so that you can define and optimize power-saving policies.

Lenovo XClarity Energy Manager offers the following capabilities:

- Monitors room, row, rack, and device levels in the data center
- Reports vital information, such as power, temperature and resource utilization
- Monitors inlet temperature to locate hot spots, reducing the risk of data or device damage
- Provides finely-grained controls to limit platform power in compliance with IT policy
- Generates alerts when a user-defined threshold is reached

Lenovo XClarity Energy Manager is an optional software component for the SR570 server that is licensed on a per managed node basis, that is, each managed server requires a license. The 1-node Energy Manager license is included in the XClarity Controller Enterprise upgrade.

To manage systems without XClarity Controller Enterprise licenses, a node license pack should be purchased. The following table lists the geo-specific Lenovo XClarity Energy Manager software license options.

Table 42. Lenovo XClarity Energy Manager software options

Description	Part number (NA, AP, Japan)*	Part number (EMEA, LA)**	Quantity
Lenovo XClarity Energy Manager, 1 Node w/ 1 Yr S&S	01DA225	01DA228	1

* NA = North America; AP = Asia Pacific.
** EMEA = Europe, Middle East, Africa; LA = Latin America.

For more information, refer to the Lenovo XClarity Energy Manager web page:
http://datacentersupport.lenovo.com/us/en/solutions/lnvo-lxem

Lenovo Capacity Planner

Lenovo Capacity Planner is a power consumption evaluation tool that enhances data center planning by enabling IT administrators and pre-sales professionals to understand various power characteristics of racks, servers, and other devices. Capacity Planner can dynamically calculate the power consumption, current, British Thermal Unit (BTU), and volt-ampere (VA) rating at the rack level, improving the planning efficiency for large scale deployments.

For more information, refer to the Capacity Planner web page:
http://datacentersupport.lenovo.com/us/en/solutions/lnvo-lcp

Security

The SR570 server offers the following security features:

- Power-on password
- Administrator's password
- Secure firmware updates
- Onboard Trusted Platform Module (TPM) version 1.2 or 2.0 (configurable UEFI system setting)
- Trusted Cryptographic Module (TCM) (optional; available in PRC only)
- Nationz Trusted Platform Module v2.0 (optional; available in PRC only)
- Lockable front bezel (optional)
- Security Key Lifecycle Manager (SKLM) encryption key management for SEDs - FoD upgrade (optional)
- Lenovo Business Vantage security software (optional; available in PRC only)

The following table lists the security options that are available for the SR570 server.

Table 43. Security options

Description	Part number	Feature code	Maximum quantity
Lockable front bezel			
ThinkSystem 1U Security Bezel	7Z17A02581	AUWR	1
Trusted Cryptographic Module (PRC only)			
ThinkSystem Trusted Cryptographic Module	None*	AVKE	1
Trusted Platform Module (PRC only)			
ThinkSystem Nationz Trusted Platform Module v2.0	None*	B22N	1
Security Key Lifecycle Manager - FoD (United States, Canada, Asia Pacific, and Japan)			
SKLM for System x/ThinkSystem w/SEDs - FoD per Install w/1Yr S&S	00D9998	A5U1	1
SKLM for System x/ThinkSystem w/SEDs - FoD per Install w/3Yr S&S	00D9999	AS6C	1
Security Key Lifecycle Manager - FoD (Latin America, Europe, Middle East, and Africa)			
SKLM for System x/ThinkSystem w/SEDs - FoD per Install w/1Yr S&S	00FP648	A5U1	1
SKLM for System x/ThinkSystem w/SEDs - FoD per Install w/3Yr S&S	00FP649	AS6C	1

* Factory-installed only; no field upgrade.

Lenovo Business Vantage is a security software tool suite (available only in PRC) designed to work with the TCM or Nationz TPM for enhanced security, to keep user data safe, and to erase confidential data completely from a drive.

Lenovo Business Vantage provides the following features:

- Encrypts files to ensure data safety by using the TCM or Nationz TPM.
- Erases confidential data from a hard disk.
- Prohibits unauthorized access to the USB port of devices.
- Encrypts files to ensure data security on a USB storage device.

For more information, refer to the Lenovo Business Vantage web page:
http://support.lenovo.com.cn/lenovo/wsi/es/es.html

Rack installation

The following table lists the rack installation options that are available for the SR570 server.

Table 44. Rack installation options

Description	Part number	Feature code	Maximum quantity
4-post rail kits			
ThinkSystem Tool-less Slide Rail	7M27A05702	AXCA	1
ThinkSystem Tool-less Slide Rail Kit with 1U CMA	7M27A05701	AXCB	1
ThinkSystem Screw-in Slide Rail	4M17A07274	AXFN	1
ThinkSystem Screw-in Slide Rail Kit with 1U CMA	4M17A07281	B0TE	1
ThinkSystem Tool-less Friction Rail	4M17A07273	AXFM	1
Cable management arm (CMA) upgrade			
ThinkSystem 1U CMA Upgrade Kit for Tool-less Slide Rail	7M27A05699	B136	1*
ThinkSystem 1U CMA Upgrade Kit for Screw-in Slide Rail	4M17A07276	AXFP	1**
Front VGA port			
ThinkSystem SR530/SR/570/SR630 Front VGA Connector (for 3.5" models)	None***	AUWU	1

Description	Part number	Feature code	Maximum quantity
ThinkSystem SR530/SR570/SR630 Front VGA Connector Upgrade Kit (for 2.5" models)	7Z17A02579	AUWW	1

* The CMA Upgrade Kit for Tool-less Slide Rail is supported with the Tool-less Slide Rail (7M27A05702) only.
** The CMA Upgrade Kit for Screw-in Slide Rail is supported with the Screw-in Slide Rail (4M17A07274) only.
*** Factory-installed only; no field upgrade.

The following table summarizes the rail kit features and specifications.

Table 45. Rail kit features and specifications summary

Feature	Tool-less Slide Rail		Screw-in Slide Rail		Tool-less Friction Rail
	Without CMA	With CMA	Without CMA	With CMA	
Part number	7M27A05702	7M27A05701	4M17A07274	4M17A07281	4M17A07273
CMA	7M27A05699	Included	4M17A07276	Included	No support
Rail length	730 mm (28.74 in.)	807 mm (31.8 in.)	836.8 mm (32.9 in.)	836.8 mm (32.9 in.)	728.1 mm (28.7 in.)
Rail type	Full-out slide (ball bearing)		Full-out slide (ball bearing)		Half-out slide (friction)
Tool-less installation	Yes		No		Yes
In-rack server maintenance	Yes		Yes		No
1U PDU support	Yes		Yes		Yes
0U PDU support	Limited*		Limited*		Limited**
Rack type	IBM and Lenovo 4-post, IEC standard-compliant		IBM and Lenovo 4-post, IEC standard-compliant		IBM and Lenovo 4-post, IEC standard-compliant
Mounting holes	Square or round		Square, round, or threaded		Square or round
Mounting flange thickness	2 mm (0.08 in.) – 3.3 mm (0.13 in.)		2 mm (0.08 in.) – 3.3 mm (0.13 in.)		2 mm (0.08 in.) – 3.3 mm (0.13 in.)
Distance between front and rear mounting flanges^	609.6 mm (24 in.) – 863.6 mm (34 in.)		609.6 mm (24 in.) – 812.8 mm (32 in.)		609.6 mm (24 in.) – 863.6 mm (34 in.)

* If a 0U PDU is used, the rack cabinet must be at least 1100 mm (43.31 in.) deep if no CMA is used, or at least 1200 mm (47.24 in.) deep if a CMA is used.
** If a 0U PDU used, the rack must be at least 1000 mm (39.37 in.) deep.
^ Measured when mounted on the rack, from the front surface of the front mounting flange to the rear most point of the rail.

Operating systems

The SR570 server supports the following operating systems:

- Microsoft:
    - Microsoft Windows Server 2019
    - Microsoft Windows Server 2016

- Red Hat:
    - Red Hat Enterprise Linux 8.0
    - Red Hat Enterprise Linux 7.7
    - Red Hat Enterprise Linux 7.6

- SUSE:
    - SUSE Linux Enterprise Server 15 SP1
    - SUSE Linux Enterprise Server 15
    - SUSE Linux Enterprise Server 12 SP4

- VMware:
    - VMware vSphere 6.7 (ESXi) Update 2
    - VMware vSphere 6.7 (ESXi) Update 1
    - VMware vSphere 6.5 (ESXi) Update 3
    - VMware vSphere 6.5 (ESXi) Update 2

Important: The onboard Intel RSTe is not supported by virtualization hypervisors, including VMware vSphere (ESXi), Linux KVM, Xen, and Microsoft Hyper-V.

For the latest information about the specific versions and service levels that are supported and any other prerequisites, see the Operating System Interoperability Guide: http://lenovopress.com/osig.

Physical specifications

The SR570 server has the following dimensions and weight (approximate):

- Height: 43 mm (1.7 in)
- Width: 434 mm (17.1 in)
- Depth: 715 mm (28.1 in)
- Weight:
    - Minimum configuration: 10.2 kg (22.5 lb)
    - Maximum configuration: 16.0 kg (35.3 lb)

Operating environment

The SR570 server complies with ASHRAE class A2 specifications. The server performance might be impacted when the operating temperature is outside the ASHRAE A2 specifications. Depending on the hardware configuration, some server models comply with ASHRAE class A3 and class A4 specifications, provided the following hardware configuration requirements are met at the same time:

- Two power supplies installed
- Persistent memory modules not installed
- NVMe PCIe flash adapters not installed
- NVMe drives not installed
- No system fan failure

The SR570 server is supported in the following environment:

- Air temperature:
    - Operating:
        - ASHRAE Class A4: 5 °C - 45 °C (41 °F - 113 °F); for altitudes above 900 m (2,953 ft), decrease the maximum ambient temperature by 1 °C for every 125-m (410-ft) increase in altitude
        - ASHRAE Class A3: 5 °C - 40 °C (41 °F - 104 °F); for altitudes above 900 m (2,953 ft), decrease the maximum ambient temperature by 1 °C for every 175-m (574-ft) increase in altitude
        - ASHRAE Class A2: 10 °C - 35 °C (50 °F - 95 °F); for altitudes above 900 m (2,953 ft), decrease the maximum ambient temperature by 1 °C for every 300-m (984-ft) increase in altitude
    - Non-operating: 5 °C - 45 °C (41 °F - 113 °F)
    - Storage: -40 °C - +60 °C (-40 °F - 140 °F)
- Maximum altitude: 3,050 m (10,000 ft)
- Humidity:
    - Operating:
        - ASHRAE Class A4: 8% - 90% (non-condensing); maximum dew point: 24 °C (75 °F)
        - ASHRAE Class A3: 8% - 85% (non-condensing); maximum dew point: 24 °C (75 °F)
        - ASHRAE Class A2: 8% - 80% (non-condensing); maximum dew point: 21 °C (70 °F)
    - Storage: 8% - 90% (non-condensing)
- Electrical:
    - 100 - 127 (nominal) V AC; 50 Hz / 60 Hz
    - 200 - 240 (nominal) V AC; 50 Hz / 60 Hz
    - 180 - 300 V DC (HVDC; supported in PRC only)
- Acoustics:
    - Minimum configuration:
        - Operating: 5.4 bels
        - Idle: 5.4 bels
    - Maximum configuration:
        - Operating: 5.6 bels
        - Idle: 5.6 bels
- Vibration:
    - Operating: 0.21 G rms at 5 Hz to 500 Hz for 15 minutes across 3 axes
    - Non-operating: 1.04 G rms at 2 Hz to 200 Hz for 15 minutes across 6 surfaces
- Shock:
    - Operating: 15 G for 3 milliseconds in each direction (positive and negative X, Y, and Z axes)
    - Non-operating:
        - 12 kg - 22 kg: 50 G for 152 in./sec velocity change across 6 surfaces
        - 23 kg - 31 kg: 35 G for 152 in./sec velocity change across 6 surfaces

The following table lists the maximum system power load, rated inlet current, and system heat output based on the power supply and source voltage.

Table 46. Rated system power, inlet current, and system heat output

Power supply	Source voltage	Maximum power load per system (two power supplies)	Rated current per inlet	System heat output
550 W Platinum	100 - 127 V AC	722 W	6.2 A	2463 BTU/hour
	200 - 240 V AC	704 W	3 A	2402 BTU/hour
	180 - 300 V DC	702 W	2.5 A	2395 BTU/hour
750 W Platinum	100 - 127 V AC	984 W	8.4 A	3357 BTU/hour
	200 - 240 V AC	958 W	4.1 A	3269 BTU/hour
	180 - 300 V DC	958 W	3.5 A	3269 BTU/hour
750 W Titanium	200 - 240 V AC	949 W	4.1 A	3238 BTU/hour
	180 - 300 V DC	948 W	3.5 A	3235 BTU/hour

Warranty and support

The SR570 server has a one-year (7Y02) or three-year (Machine Type 7Y03) customer-replaceable unit (CRU) and onsite limited (for field-replaceable units [FRUs] only) warranty with standard call center support during normal business hours and 9x5 Next Business Day Parts Delivered.

Lenovo's additional support services provide a sophisticated, unified support structure for a customer's data center, with an experience consistently ranked number one in customer satisfaction worldwide.

The following Lenovo support services are available:

- **Premier Support** provides a Lenovo-owned customer experience and delivers direct access to technicians skilled in hardware, software, and advanced troubleshooting, in addition to the following capabilities:
    - Direct technician-to-technician access through a dedicated phone line.
    - 24x7x365 remote support.
    - Single point of contact service.
    - End to end case management.
    - 3rd Party collaborative software support.
    - Online case tools and live chat support.
    - On-demand remote system analysis.

- **Warranty Upgrades (Preconfigured Support)** are available to meet the on-site response time targets that match the criticality of customer's systems:
    - 3, 4, or 5 years of service coverage.

    - 1-year or 2-year post-warranty extensions.

    - **Foundation Service:** 9x5 service coverage with next business day onsite response, with optional YourDrive YourData.

    - **Essential Service:** 24x7 service coverage with 4-hour onsite response or 24-hour committed repair (available only in select regions), bundled with YourDrive YourData.

    - **Advanced Service:** 24x7 service coverage with 2-hour onsite response or 6-hour committed repair (available only in select regions), bundled with YourDrive YourData.

- **Managed Services**
  Lenovo Managed Services provide continuous 24x7 remote monitoring (plus 24x7 call center availability) and proactive management of a customer's data center using state of the art tools, systems, and practices by a team of highly skilled and experienced Lenovo services professionals.

  Quarterly reviews check error logs, verify firmware and operating system device driver levels, and software as needed. Lenovo will also maintain records of latest patches, critical updates, and firmware levels, to ensure customer's systems are providing business value through optimized performance.

- **Technical Account Management (TAM)**
  A Lenovo Technical Account Manager helps customers optimize operations of their data centers based on a deep understanding of customer's business. Customers gain direct access to a Lenovo TAM, who serves as their single point of contact to expedite service requests, provide status updates, and furnish reports to track incidents over time. Also, a TAM helps proactively make service recommendations and manage service relationship with Lenovo to make certain that customer's needs are met.

- **Enterprise Software Support**
  Lenovo Enterprise Software Support is an additional support service that provides customers with software support on Microsoft, Red Hat, SUSE, and VMWare applications and systems. Around the clock availability for critical problems plus unlimited calls and incidents helps customers address challenges fast, without incremental costs. Support staff can answer troubleshooting and diagnostic questions, address product compatibility and interoperability issues, isolate causes of problems, report defects to software vendors, and more.

- **YourDrive YourData**
  Lenovo's YourDrive YourData service is a multi-drive retention offering that ensures that customer's data is always under their control, regardless of the number of drives that are installed in their Lenovo server. In the unlikely event of a drive failure, customers retain possession of their drive while Lenovo replaces the failed drive part. Customer's data stays safely on customer premises, in their hands. The YourDrive YourData service can be purchased in convenient bundles with Foundation, Essential, or Advanced Service upgrades and extensions.

- **Health Check**
  Having a trusted partner who can perform regular and detailed health checks is central to maintaining efficiency and ensuring that customer systems and business are always running at their best. Health Check supports Lenovo-branded server, storage, and networking devices, as well as select Lenovo-supported products from other vendors that are sold by Lenovo or a Lenovo-Authorized Reseller.

Some regions might have different warranty terms and conditions than the standard warranty. This is due to local business practices or laws in the specific region. Local service teams can assist in explaining region-specific terms when needed. Examples of region-specific warranty terms are second or longer business day parts delivery or parts-only base warranty.

If warranty terms and conditions include onsite labor for repair or replacement of parts, Lenovo will dispatch a service technician to the customer site to perform the replacement. Onsite labor under base warranty is limited to labor for replacement of parts that have been determined to be field-replaceable units (FRUs). Parts that are determined to be customer-replaceable units (CRUs) do not include onsite labor under base warranty.

If warranty terms include parts-only base warranty, Lenovo is responsible for delivering only replacement parts that are under base warranty (including FRUs) that will be sent to a requested location for self-service. Parts-only service does not include a service technician being dispatched onsite. Parts must be changed at customer's own cost and labor and defective parts must be returned following the instructions supplied with the spare parts.

Lenovo support services are region-specific. Not all support services are available in every region. For information about Lenovo support services that are available in a specific region, refer to the following resources:

- Service part numbers in Data Center Solution Configurator (DCSC):
  http://dcsc.lenovo.com/#/services

- Lenovo Services Availability Locator
  https://lenovolocator.com/

For service definitions, region-specific details, and service limitations, refer to the following documents:

- Lenovo Statement of Limited Warranty for Data Center Group (DCG) Servers and System Storage
  http://pcsupport.lenovo.com/us/en/solutions/ht503310
- Lenovo Data Center Services Agreement
  http://support.lenovo.com/us/en/solutions/ht116628

Services

Lenovo Services is a dedicated partner to customer success. Lenovo's goal for customers is to reduce capital outlays, mitigate IT risks, and accelerate time to productivity.

Here is a more in-depth look at what Lenovo can do for their customers:

- **Asset Recovery Services**
  Asset Recovery Services (ARS) helps customers recover the maximum value from their end-of-life equipment in a cost-effective and secure way. On top of simplifying the transition from old to new equipment, ARS mitigates environmental and data security risks associated with data center equipment disposal. Lenovo ARS is a cash-back solution for equipment based on its remaining market value, yielding maximum value from aging assets and lowering total cost of ownership for customers.

- **Assessment Services**
  An assessment helps solve customer IT challenges through an onsite, multi-day session with a Lenovo technology expert. Lenovo performs a tools-based assessment which provides a comprehensive and thorough review of a company's environment and technology systems. In addition to the technology-based functional requirements, the consultant also discusses and records the non-functional business requirements, challenges, and constraints. Assessments help organizations, no matter how large or small, get a better return on their IT investment and overcome challenges in the ever-changing technology landscape.

- **Design Services**
  Professional Services consultants perform infrastructure design and implementation planning to support customer's strategy. The high-level architectures provided by the assessment service are turned into low level designs and wiring diagrams, which are reviewed and approved prior to implementation. The implementation plan will demonstrate an outcome-based proposal to provide business capabilities through infrastructure with a risk-mitigated project plan.

- **Basic Hardware Installation**
  Lenovo experts can seamlessly manage the physical installation of customer's server, storage, or networking hardware. Working at a time convenient for the customer (business hours or off shift), the technician will unpack and inspect the systems on customer site, install options, mount in a rack cabinet, connect to power and network, check and update firmware to the latest levels, verify operation, and dispose of the packaging, allowing customers to focus on other priorities.

- **Deployment Services**
  When investing in new IT infrastructures, customers need to ensure that their business will see quick time to value with little to no disruption. Lenovo deployments are designed by development and engineering teams who know Lenovo products and solutions better than anyone else, and Lenovo technicians own the process from delivery to completion. Lenovo will conduct remote preparation and planning, configure and integrate systems, validate systems, verify and update appliance firmware, train on administrative tasks, and provide post-deployment documentation. Customer's IT teams leverage Lenovo skills to enable IT staff to transform with higher level roles and tasks.

- **Integration, Migration, and Expansion Services**
  Integration, Migration, and Expansion Services allow to move existing physical and virtual workloads easily, or to determine technical requirements to support increased workloads while maximizing performance. These services include tuning, validation, and documenting ongoing run processes, and they leverage migration assessment planning documents to perform necessary migrations.

Some service options may not be available in every region. For more information about Lenovo service offerings that are available in a specific region, contact a local Lenovo sales representative or business partner.

Regulatory compliance

The ThinkSystem SR570 server conforms to the following regulations:

- United States: FCC Part 15, Class A; UL 60950-1
- Canada: ICES-003/NMB-03, Class A; CAN/CSA-C22.2 60950-1
- Mexico: NOM-19
- Argentina: IEC60950-1
- European Union: CE Mark (EN55022 Class A, IEC/EN60950-1, EN55024, EN61000-3-2, EN61000-3-3)
- Germany: TUV-GS (IEC/EN 60950-1, EK1-ITB2000)
- Russia, Kazakhstan, Belarus: EAC (TR CU 004/2011, TR CU 020/2011)
- China: CCC GB4943.1, GB9254 Class A, GB17625.1
- India: BIS
- Japan: VCCI, Class A
- Taiwan: BSMI CNS13438, Class A; CNS14336-1
- Korea: KN22, Class A; KN24
- Australia/New Zealand: AS/NZS CISPR 22 Class A
- Reduction of Hazardous Substances (ROHS)
- Energy Star 2.1

External drive enclosures

The following table lists the 12 Gbps SAS external drive enclosures that are offered by Lenovo that can be used with the SR570 for storage expansion.

Note: Information provided in this section is for ordering reference purposes only. For the operating system and adapter support details, refer to the interoperability matrix for a particular storage enclosure that can be found on the Lenovo Data Center Support web site:
http://datacentersupport.lenovo.com

Table 47. External drive enclosures

Description	Part number		
	Worldwide	Japan	PRC
Lenovo Storage D1212 LFF Disk Expansion with Dual SAS IO Modules	4587A11	4587A1J	4587A1C
Lenovo Storage D1224 SFF Disk Expansion with Dual SAS IO Modules	4587A31	4587A3J	4587A3C
Lenovo Storage D3284 4TB x 84 HD Expansion Enclosure	641311F		
Lenovo Storage D3284 6TB x 84 HD Expansion Enclosure	641312F		
Lenovo Storage D3284 8TB x 84 HD Expansion Enclosure	641313F		
Lenovo Storage D3284 10TB x 84 HD Expansion Enclosure	641314F		

For details about supported drives, adapters, and cables, see the following Lenovo Press Product Guides:

- Lenovo Storage D1212 and D1224
  http://lenovopress.com/lp0512
- Lenovo Storage D3284
  http://lenovopress.com/lp0513

External storage systems

The following table lists the external storage systems that are currently offered by Lenovo that can be used with the ThinkSystem SR570 server for external NAS, SAS, iSCSI, or FC storage connectivity.

Note: Information provided in this section is for ordering reference purposes only. End-to-end storage configuration support *must* be verified through the interoperability matrix for a particular storage system that can be found on the Lenovo Data Center Support web site:
http://datacentersupport.lenovo.com

Table 48. External storage systems: DE Series

Description	Part number	
	Worldwide	Japan
Lenovo ThinkSystem DE Series Storage (SAS connectivity)		
Lenovo ThinkSystem DE2000H SAS Hybrid Flash Array LFF	7Y70A000WW	7Y701003JP
Lenovo ThinkSystem DE2000H SAS Hybrid Flash Array SFF	7Y71A000WW	7Y711003JP
Lenovo ThinkSystem DE4000H SAS Hybrid Flash Array 4U60	7Y77A002WW	7Y771000JP
Lenovo ThinkSystem DE4000H SAS Hybrid Flash Array LFF	7Y74A000WW	7Y74A000JP
Lenovo ThinkSystem DE4000H SAS Hybrid Flash Array SFF	7Y75A000WW	7Y75A000JP
Lenovo ThinkSystem DE4000F SAS All Flash Array SFF	7Y76A000WW	7Y76A000JP
Lenovo ThinkSystem DE6000H SAS Hybrid Flash Array 4U60	7Y80A000WW	7Y801002JP
Lenovo ThinkSystem DE6000H SAS Hybrid Flash Array SFF	7Y78A000WW	7Y781002JP
Lenovo ThinkSystem DE6000F SAS All Flash Array SFF	7Y79A000WW	7Y79A000JP
Lenovo ThinkSystem DE Series Storage (iSCSI connectivity)		
Lenovo ThinkSystem DE2000H 10GBASE-T Hybrid Flash Array LFF	7Y70A003WW	7Y701001JP
Lenovo ThinkSystem DE2000H 10GBASE-T Hybrid Flash Array SFF	7Y71A002WW	7Y711005JP
Lenovo ThinkSystem DE2000H iSCSI Hybrid Flash Array LFF	7Y70A004WW	7Y701000JP
Lenovo ThinkSystem DE2000H iSCSI Hybrid Flash Array SFF	7Y71A003WW	7Y711006JP
Lenovo ThinkSystem DE4000H iSCSI Hybrid Flash Array 4U60	7Y77A000WW	7Y771002JP
Lenovo ThinkSystem DE4000H iSCSI Hybrid Flash Array LFF	7Y74A002WW	7Y74A002JP
Lenovo ThinkSystem DE4000H iSCSI Hybrid Flash Array SFF	7Y75A001WW	7Y75A001JP
Lenovo ThinkSystem DE4000F iSCSI All Flash Array SFF	7Y76A002WW	7Y76A002JP
Lenovo ThinkSystem DE6000H iSCSI Hybrid Flash Array 4U60	7Y80A002WW	7Y801000JP
Lenovo ThinkSystem DE6000H iSCSI Hybrid Flash Array SFF	7Y78A002WW	7Y781000JP
Lenovo ThinkSystem DE6000F iSCSI All Flash Array SFF	7Y79A002WW	7Y79A002JP
Lenovo ThinkSystem DE Series Storage (FC connectivity)		
Lenovo ThinkSystem DE2000H FC Hybrid Flash Array LFF	7Y70A002WW	7Y701002JP
Lenovo ThinkSystem DE2000H FC Hybrid Flash Array SFF	7Y71A001WW	7Y711004JP
Lenovo ThinkSystem DE4000H FC Hybrid Flash Array 4U60	7Y77A001WW	7Y771001JP
Lenovo ThinkSystem DE4000H FC Hybrid Flash Array LFF	7Y74A001WW	7Y74A001JP
Lenovo ThinkSystem DE4000H FC Hybrid Flash Array SFF	7Y75A002WW	7Y75A002JP
Lenovo ThinkSystem DE4000F FC All Flash Array SFF	7Y76A001WW	7Y76A001JP
Lenovo ThinkSystem DE6000H FC Hybrid Flash Array 4U60	7Y80A001WW	7Y801001JP
Lenovo ThinkSystem DE6000H FC Hybrid Flash Array SFF	7Y78A001WW	7Y781001JP
Lenovo ThinkSystem DE6000F FC All Flash Array SFF	7Y79A001WW	7Y79A001JP

Table 49. External storage systems: DM Series

Description	Part number
Lenovo ThinkSystem DM Series Storage (iSCSI or FC connectivity)	
Lenovo ThinkSystem DM3000H Hybrid Storage Array (2U12 LFF, CTO only)	7Y42CTO1WW
Lenovo ThinkSystem DM3000H 48TB (12x 4TB HDDs) (Universal SFP+)	7Y420001EA*
Lenovo ThinkSystem DM3000H 48TB (12x 4TB HDDs) (10GBASE-T)	7Y420002EA*
Lenovo ThinkSystem DM5000H Hybrid Storage Array (2U24 SFF, CTO only)	7Y57CTO1WW
Lenovo ThinkSystem DM5000H 11.5TB (12x 960GB SSDs) (Universal SFP+)	7Y570001EA*
Lenovo ThinkSystem DM5000H 11.5TB (12x 960GB SSDs) (10GBASE-T)	7Y570002EA*
Lenovo ThinkSystem DM5000H 29TB (24x 1.2TB 10K HDDs) (Universal SFP+)	7Y570003EA*
Lenovo ThinkSystem DM5000H 29TB (24x 1.2TB 10K HDDs) (10GBASE-T)	7Y570004EA*
Lenovo ThinkSystem DM5000F Flash Storage Array (2U24 SFF, CTO only)	7Y41CTO1WW
Lenovo ThinkSystem DM7000H Hybrid Storage Array (3U, CTO only)	7Y56CTO1WW
Lenovo ThinkSystem DM7000F Flash Storage Array (3U, CTO only)	7Y40CTO1WW

* Available only in EMEA.

For more information, see the list of Product Guides in the Lenovo Storage category:
http://lenovopress.com/storage/san/lenovo#rt=product-guide

External backup units

The following table lists the external backup options that are offered by Lenovo that can be used with the ThinkSystem SR570 server for backup solutions.

Note: Information provided in this section is for ordering reference purposes only. End-to-end LTO Ultrium configuration support for a particular tape backup unit *must* be verified through the System Storage Interoperation Center (SSIC):
http://www.ibm.com/systems/support/storage/ssic

Table 50. External backup options

Description	Part number
External RDX USB drives	
ThinkSystem RDX External USB 3.0 Dock	4T27A10725
External SAS tape backup drives	
IBM TS2260 Tape Drive Model H6S	6160S6E
IBM TS2270 Tape Drive Model H7S	6160S7E
IBM TS2280 Tape Drive Model H8S	6160S8E
External SAS tape backup autoloaders	
IBM TS2900 Tape Autoloader w/LTO6 HH SAS	6171S6R
IBM TS2900 Tape Autoloader w/LTO7 HH SAS	6171S7R
IBM TS2900 Tape Autoloader w/LTO8 HH SAS	6171S8R
External tape backup libraries	
IBM TS4300 3U Tape Library-Base Unit	6741A1F
SAS backup drives for TS4300 Tape Library	
LTO 6 HH SAS Drive	01KP934
LTO 7 HH SAS Drive	01KP937
LTO 8 HH SAS Drive	01KP953

Description	Part number
Fibre Channel backup drives for TS4300 Tape Library	
LTO 6 FH Fibre Channel Drive	01KP935
LTO 6 HH Fibre Channel Drive	01KP933
LTO 7 FH Fibre Channel Drive	01KP938
LTO 7 HH Fibre Channel Drive	01KP936
LTO 8 FH Fibre Channel Drive	01KP954
LTO 8 HH Fibre Channel Drive	01KP952

For more information, see the list of Product Guides in the Backup units category:
https://lenovopress.com/servers/options/backup#rt=product-guide

Ethernet LAN switches

The following table lists the Ethernet LAN switches that are offered by Lenovo that can be used with the ThinkSystem SR570 server for network connectivity.

Table 51. Ethernet LAN switches

Description	Part number
1 Gb Ethernet switches	
Lenovo ThinkSystem NE0152T RackSwitch (Rear to Front)	7Y810011WW
Lenovo ThinkSystem NE0152TO RackSwitch (Rear to Front, ONIE)	7Z320O11WW
Lenovo RackSwitch G7028 (Rear to Front)	7159BAX
Lenovo RackSwitch G7052 (Rear to Front)	7159CAX
Lenovo CE0128TB Switch (3-Year Warranty)	7Z340011WW
Lenovo CE0128TB Switch (Limited Lifetime Warranty)	7Z360011WW
Lenovo CE0128PB Switch (3-Year Warranty)	7Z340012WW
Lenovo CE0128PB Switch (Limited Lifetime Warranty)	7Z360012WW
Lenovo CE0152TB Switch (3-Year Warranty)	7Z350021WW
Lenovo CE0152TB Switch (Limited Lifetime Warranty)	7Z370021WW
Lenovo CE0152PB Switch (3-Year Warranty)	7Z350022WW
Lenovo CE0152PB Switch (Limited Lifetime Warranty)	7Z370022WW
10 Gb Ethernet switches	
Lenovo ThinkSystem NE1032 RackSwitch (Rear to Front)	7159A1X
Lenovo ThinkSystem NE1032T RackSwitch (Rear to Front)	7159B1X
Lenovo ThinkSystem NE1072T RackSwitch (Rear to Front)	7159C1X
Lenovo RackSwitch G8272 (Rear to Front)	7159CRW
25 Gb Ethernet switches	
Lenovo ThinkSystem NE2572 RackSwitch (Rear to Front)	7159E1X
Lenovo ThinkSystem NE2572O RackSwitch (Rear to Front, ONIE)	7Z210O21WW
100 Gb Ethernet switches	
Lenovo ThinkSystem NE10032 RackSwitch (Rear to Front)	7159D1X
Lenovo ThinkSystem NE10032O RackSwitch (Rear to Front, ONIE)	7Z210O11WW

For more information, see the list of Product Guides in the Top-of-rack Switches category:
http://lenovopress.com/servers/options/switches#rt=product-guide

Fibre Channel SAN switches

The following table lists currently available Fibre Channel SAN switches that are offered by Lenovo that can be used with the ThinkSystem SR570 for external FC SAN storage connectivity.

Table 52. Fibre Channel SAN switches

Description	Part number
8 Gb FC	
Lenovo B300, 8 ports licensed, 8x 8Gb SWL SFPs, 1 PS, Rail Kit, 3Yr FW	3873AR3
Lenovo B300, E_Port License, 8 ports licensed, 8x 8Gb SWL SFPs, 1 PS, Rail Kit, 1Yr FW	3873AR6
16 Gb FC	
Lenovo ThinkSystem DB610S, 8 ports licensed, 8x 16Gb SWL SFPs, 1 PS, Rail Kit, 1Yr FW	6559F2A
Lenovo ThinkSystem DB610S, ENT., 24 ports licensed, 24x 16Gb SWL SFPs, 1 PS, Rail Kit, 1Yr FW	6559F1A
Lenovo ThinkSystem DB620S, 24 ports licensed, 24x 16Gb SWL SFPs, 2 PS, Rail Kit, 1Yr FW	6415J1A
Lenovo B6505, 12 ports licensed, 12x 16Gb SWL SFPs, 1 PS, Rail Kit, 1Yr FW	3873ER1
Lenovo B6510, 24 ports licensed, 24x 16Gb SWL SFPs, 2 PS, Rail Kit, 1Yr FW	3873IR1
Lenovo B6510, 24 ports licensed, 24x 16Gb SWL SFPs, 2 PS, Rail Kit, 3Yr FW	3873BR3
32 Gb FC	
Lenovo ThinkSystem DB610S, 8 ports licensed, No SFPs, 1 PS, Rail Kit, 1Yr FW	6559F3A
Lenovo ThinkSystem DB610S, 8 ports licensed, No SFPs, 1 PS, Rail Kit, 3Yr FW	6559D3Y
Lenovo ThinkSystem DB620S, 24 ports licensed, No SFPs, 2 PS, Rail Kit, 1Yr FW	6415G3A
Lenovo ThinkSystem DB620S, 24 ports licensed, 24x 32Gb SWL SFPs, 2 PS, Rail Kit, 1Yr FW	6415H11
Lenovo ThinkSystem DB620S, ENT., 48 ports licensed, 48x 32Gb SWL SFPs, 2 PS, Rail Kit, 1Yr FW	6415H2A
Lenovo ThinkSystem DB630S, 48 ports licensed, No SFPs, 2 PS, Rail Kit, 1Yr FW	7D1SA001WW
Lenovo ThinkSystem DB630S, 48 ports licensed, 48x 32Gb SWL SFPs, 2 PS, Rail Kit, 1Yr FW	7D1SA002WW
Lenovo ThinkSystem DB630S, ENT., 96 ports licensed, 96x 32Gb SWL SFPs, 2 PS, Rail Kit, 1Yr FW	7D1SA003WW
Lenovo ThinkSystem DB400D 32Gb FC Director, ENT., 4 Blade slots, 8U, 1Yr FW	6684D2A
Lenovo ThinkSystem DB400D 32Gb FC Director, ENT., 4 Blade slots, 8U, 3Yr FW	6684B2A
Lenovo ThinkSystem DB800D 32Gb FC Director, ENT., 8 Blade slots, 14U, 1Yr FW	6682D1A

For more information, see the list of Product Guides in the Rack SAN Switches category:
http://lenovopress.com/storage/switches/rack#rt=product-guide

Rack cabinets

The following table lists the rack cabinets that are currently offered by Lenovo that can be used for mounting the ThinkSystem SR570 servers and other IT infrastructure building blocks.

Table 53. Rack cabinets

Description	Part number
25U S2 Standard Rack (1000 mm deep; 2 sidewall compartments)	93072RX
25U Static S2 Standard Rack (1000 mm deep; 2 sidewall compartments)	93072PX
42U S2 Standard Rack (1000 mm deep; 6 sidewall compartments)	93074RX
42U 1100mm Enterprise V2 Dynamic Rack (6 sidewall compartments)	93634PX
42U 1100mm Enterprise V2 Dynamic Expansion Rack (6 sidewall compartments)	93634EX
42U 1200mm Deep Dynamic Rack (6 sidewall compartments)	93604PX
42U 1200mm Deep Static Rack (6 sidewall compartments)	93614PX
42U Enterprise Rack (1105 mm deep; 4 sidewall compartments)	93084PX
42U Enterprise Expansion Rack (1105 mm deep; 4 sidewall compartments)	93084EX

For more information, see the list of Product Guides in the Rack cabinets category:
http://lenovopress.com/servers/options/racks#rt=product-guide

KVM switches and consoles

The following table lists the KVM switches and consoles that are offered by Lenovo that can be used for providing console access to the ThinkSystem SR570 servers.

Table 54. KVM switch and console options

Description	Part number
Consoles	
1U 18.5" Standard Console (without keyboard)	17238BX
Console keyboards	
ThinkSystem Keyboard w/ Int. Pointing Device USB - Arabic 253 RoHS v2	7ZB7A05469
ThinkSystem Keyboard w/ Int. Pointing Device USB - Belg/UK 120 RoHS v2	7ZB7A05468
ThinkSystem Keyboard w/ Int. Pointing Device USB - Czech 489 RoHS v2	7ZB7A05206
ThinkSystem Keyboard w/ Int. Pointing Device USB - Danish 159 RoHS v2	7ZB7A05207
ThinkSystem Keyboard w/ Int. Pointing Device USB - Dutch 143 RoHS v2	7ZB7A05208
ThinkSystem Keyboard w/ Int. Pointing Device USB - Fr/Canada 445 RoHS v2	7ZB7A05210
ThinkSystem Keyboard w/ Int. Pointing Device USB - French 189 RoHS v2	7ZB7A05209
ThinkSystem Keyboard w/ Int. Pointing Device USB - German 129 RoHS v2	7ZB7A05211
ThinkSystem Keyboard w/ Int. Pointing Device USB - Greek 219 RoHS v2	7ZB7A05212
ThinkSystem Keyboard w/ Int. Pointing Device USB - Hebrew 212 RoHS v2	7ZB7A05213
ThinkSystem Keyboard w/ Int. Pointing Device USB - Hungarian 208 RoHS v2	7ZB7A05214
ThinkSystem Keyboard w/ Int. Pointing Device USB - Italian 141 RoHS v2	7ZB7A05215
ThinkSystem Keyboard w/ Int. Pointing Device USB - Japanese 194 RoHS v2	7ZB7A05216
ThinkSystem Keyboard w/ Int. Pointing Device USB - Korean 413 RoHS v2	7ZB7A05217
ThinkSystem Keyboard w/ Int. Pointing Device USB - LA Span 171 RoHS v2	7ZB7A05218

Description	Part number
ThinkSystem Keyboard w/ Int. Pointing Device USB - Norwegian 155 RoHS v2	7ZB7A05219
ThinkSystem Keyboard w/ Int. Pointing Device USB - Polish 214 RoHS v2	7ZB7A05220
ThinkSystem Keyboard w/ Int. Pointing Device USB - Portugese 163 RoHS v2	7ZB7A05221
ThinkSystem Keyboard w/ Int. Pointing Device USB - Russian 441 RoHS v2	7ZB7A05222
ThinkSystem Keyboard w/ Int. Pointing Device USB - Slovak 245 RoHS v2	7ZB7A05223
ThinkSystem Keyboard w/ Int. Pointing Device USB - Slovenian 234 RoHS v2	7ZB7A05231
ThinkSystem Keyboard w/ Int. Pointing Device USB - Spanish 172 RoHS v2	7ZB7A05224
ThinkSystem Keyboard w/ Int. Pointing Device USB - Swed/Finn 153 RoHS v2	7ZB7A05225
ThinkSystem Keyboard w/ Int. Pointing Device USB - Swiss F/G 150 RoHS v2	7ZB7A05226
ThinkSystem Keyboard w/ Int. Pointing Device USB - Thai 191 RoHS v2	7ZB7A05227
ThinkSystem Keyboard w/ Int. Pointing Device USB - Trad Chinese/US 467 RoHS v2	7ZB7A05467
ThinkSystem Keyboard w/ Int. Pointing Device USB - Turkish 179 RoHS v2	7ZB7A05228
ThinkSystem Keyboard w/ Int. Pointing Device USB - UK Eng 166 RoHS v2	7ZB7A05229
ThinkSystem Keyboard w/ Int. Pointing Device USB - US Eng 103P RoHS v2	7ZB7A05470
ThinkSystem Keyboard w/ Int. Pointing Device USB - US Euro 103P RoHS v2	7ZB7A05230
Console switches and cables - ThinkSystem Digital KVM	
ThinkSystem Digital 2x1x16 KVM Switch (DVI video output port)	1754D1T
ThinkSystem VGA to DVI Conversion Cable	4X97A11108
ThinkSystem Single-USB Conversion Cable for Digital KVM	4X97A11109
ThinkSystem Dual-USB Conversion Cable for Digital KVM	4X97A11107
Console switches and cables - ThinkSystem Analog KVM	
ThinkSystem Analog 1x8 KVM Switch (DVI video output port)	1754A1T
ThinkSystem VGA to DVI Conversion Cable	4X97A11108
ThinkSystem USB Conversion Cable for Analog KVM	4X97A11106
Console switches and cables - Global Console Managers	
Global 2x2x16 Console Manager (GCM16) (VGA video output port)	1754D1X
Global 4x2x32 Console Manager (GCM32) (VGA video output port)	1754D2X
Virtual Media Conversion Option Gen2 (VCO2)	46M5383
Serial Conversion Option (SCO)	46M5382
Console switches and cables - Local Console Managers	
Local 1x8 Console Manager (LCM8) (VGA video output port)	1754A1X
Local 2x16 Console Manager (LCM16) (VGA video output port)	1754A2X
Virtual Media Conversion Option Gen2 (VCO2)	46M5383

For more information, see the list of Product Guides in the KVM Switches and Consoles category:
http://lenovopress.com/servers/options/kvm#rt=product-guide

Power distribution units

The following table lists the power distribution units (PDUs) that are currently offered by Lenovo that can be used for distributing electrical power to the ThinkSystem SR570 servers and other IT infrastructure building blocks mounted in a rack cabinet.

Table 55. Power distribution units

Description	Part number
0U Basic PDUs	
0U 36 C13/6 C19 24A/200-240V 1 Phase PDU with NEMA L6-30P line cord	00YJ776
0U 36 C13/6 C19 32A/200-240V 1 Phase PDU with IEC60309 332P6 line cord	00YJ777
0U 21 C13/12 C19 32A/200-240V/346-415V 3 Phase PDU with IEC60309 532P6 line cord	00YJ778
0U 21 C13/12 C19 48A/200-240V 3 Phase PDU with IEC60309 460P9 line cord	00YJ779
Switched and Monitored PDUs	
0U 20 C13/4 C19 Switched and Monitored 24A/200-240V/1Ph PDU w/ NEMA L6-30P line cord	00YJ781
0U 20 C13/4 C19 Switched and Monitored 32A/200-240V/1Ph PDU w/ IEC60309 332P6 line cord	00YJ780
0U 18 C13/6 C19 Switched / Monitored 32A/200-240V/346-415V/3Ph PDU w/ IEC60309 532P6 cord	00YJ782
0U 12 C13/12 C19 Switched and Monitored 48A/200-240V/3Ph PDU w/ IEC60309 460P9 line cord	00YJ783
1U 9 C19/3 C13 Switched and Monitored DPI PDU (without line cord)	46M4002
1U 9 C19/3 C13 Switched and Monitored 60A 3Ph PDU with IEC 309 3P+Gnd cord	46M4003
1U 12 C13 Switched and Monitored DPI PDU (without line cord)	46M4004
1U 12 C13 Switched and Monitored 60A 3 Phase PDU with IEC 309 3P+Gnd line cord	46M4005
Ultra Density Enterprise PDUs (9x IEC 320 C13 + 3x IEC 320 C19 outlets)	
Ultra Density Enterprise C19/C13 PDU Module (without line cord)	71762NX
Ultra Density Enterprise C19/C13 PDU 60A/208V/3ph with IEC 309 3P+Gnd line cord	71763NU
C13 Enterprise PDUs (12x IEC 320 C13 outlets)	
DPI C13 Enterprise PDU+ (without line cord)	39M2816
DPI Single Phase C13 Enterprise PDU (without line cord)	39Y8941
C19 Enterprise PDUs (6x IEC 320 C19 outlets)	
DPI Single Phase C19 Enterprise PDU (without line cord)	39Y8948
DPI 60A 3 Phase C19 Enterprise PDU with IEC 309 3P+G (208 V) fixed line cord	39Y8923
Front-end PDUs (3x IEC 320 C19 outlets)	
DPI 30amp/125V Front-end PDU with NEMA L5-30P line cord	39Y8938
DPI 30amp/250V Front-end PDU with NEMA L6-30P line cord	39Y8939
DPI 32amp/250V Front-end PDU with IEC 309 2P+Gnd line cord	39Y8934
DPI 60amp/250V Front-end PDU with IEC 309 2P+Gnd line cord	39Y8940
DPI 63amp/250V Front-end PDU with IEC 309 2P+Gnd line cord	39Y8935
Universal PDUs (7x IEC 320 C13 outlets)	
DPI Universal 7 C13 PDU (with 2 m IEC 320-C19 to C20 rack power cord)	00YE443
NEMA PDUs (6x NEMA 5-15R outlets)	
DPI 100-127V PDU with fixed NEMA L5-15P line cord	39Y8905
Line cords for PDUs that ship without a line cord	
DPI 30a Line Cord (NEMA L6-30P)	40K9614
DPI 32a Line Cord (IEC 309 P+N+G)	40K9612
DPI 32a Line Cord (IEC 309 3P+N+G)	40K9611

Description	Part number
DPI 60a Cord (IEC 309 2P+G)	40K9615
DPI 63a Cord (IEC 309 P+N+G)	40K9613
DPI Australian/NZ 3112 Line Cord (32A)	40K9617
DPI Korean 8305 Line Cord (30A)	40K9618

For more information, see the list of Product Guides in the Power infrastructure category:
http://lenovopress.com/servers/options/pdu#rt=product-guide

Uninterruptible power supply units

The following table lists the uninterruptible power supply (UPS) units that are currently offered by Lenovo that can be used for providing electrical power protection to the ThinkSystem SR570 servers and other IT infrastructure building blocks.

Table 56. Uninterruptible power supply units

Description	Part number
Worldwide models	
RT1.5kVA 2U Rack or Tower UPS (100-125VAC) (8x NEMA5-15R 12A outlets)	55941AX
RT1.5kVA 2U Rack or Tower UPS (200-240VAC) (8x IEC 320 C13 10A outlets)	55941KX
RT2.2kVA 2U Rack or Tower UPS (100-125VAC) (8x NEMA 5-20R 16A outlets)	55942AX
RT2.2kVA 2U Rack or Tower UPS (200-240VAC) (8x IEC 320 C13 10A, 1x IEC 320 C19 16A outlets)	55942KX
RT3kVA 2U Rack or Tower UPS (100-125VAC) (6x NEMA5-20R 16A, 1x NEMA L5-30R 24A outlets)	55943AX
RT3kVA 2U Rack or Tower UPS (200-240VAC) (8x IEC 320 C13 10A, 1x IEC 320 C19 16A outlets)	55943KX
RT5kVA 3U Rack or Tower UPS (200-240VAC) (8x IEC 320 C13 10A, 2x IEC 320 C19 16A outlets)	55945KX
RT6kVA 3U Rack or Tower UPS (200-240VAC) (8x IEC 320 C13 10A, 2x IEC 320 C19 16A outlets)	55946KX
RT8kVA 6U Rack or Tower UPS (200-240VAC) (4x IEC 320-C19 16A outlets)	55948KX
RT11kVA 6U Rack or Tower UPS (200-240VAC) (4x IEC 320-C19 16A outlets)	55949KX
RT8kVA 6U 3:1 Phase Rack or Tower UPS (380-415VAC) (4x IEC 320-C19 16A outlets)	55948PX
RT11kVA 6U 3:1 Phase Rack or Tower UPS (380-415VAC) (4x IEC 320-C19 16A outlets)	55949PX
ASEAN, HTK, INDIA, and PRC models	
ThinkSystem RT3kVA 2U Standard UPS (200-230VAC) (2x C13 10A, 2x GB 10A, 1x C19 16A outlets)	55943KT
ThinkSystem RT3kVA 2U Long Backup UPS (200-230VAC) (2x C13 10A, 2x GB 10A, 1x C19 16A outlets)	55943LT
ThinkSystem RT6kVA 5U UPS (200-230VAC) (2x C13 10A outlets, 1x Terminal Block output)	55946KT
ThinkSystem RT10kVA 5U UPS (200-230VAC) (2x C13 10A outlets, 1x Terminal Block output)	5594XKT

For more information, see the list of Product Guides in the Uninterruptible Power Supply Units category:
http://lenovopress.com/servers/options/ups#rt=product-guide

Lenovo Financial Services

Lenovo Financial Services reinforces Lenovo's commitment to deliver pioneering products and services that are recognized for their quality, excellence, and trustworthiness. Lenovo Financial Services offers financing solutions and services that complement your technology solution anywhere in the world.

We are dedicated to delivering a positive finance experience for customers like you who want to maximize your purchase power by obtaining the technology you need today, protect against technology obsolescence, and preserve your capital for other uses.

We work with businesses, non-profit organizations, governments and educational institutions to finance their entire technology solution. We focus on making it easy to do business with us. Our highly experienced team of finance professionals operates in a work culture that emphasizes the importance of providing outstanding customer service. Our systems, processes and flexible policies support our goal of providing customers with a positive experience.

We finance your entire solution. Unlike others, we allow you to bundle everything you need from hardware and software to service contracts, installation costs, training fees, and sales tax. If you decide weeks or months later to add to your solution, we can consolidate everything into a single invoice.

Our Premier Client services provide large accounts with special handling services to ensure these complex transactions are serviced properly. As a premier client, you have a dedicated finance specialist who manages your account through its life, from first invoice through asset return or purchase. This specialist develops an in-depth understanding of your invoice and payment requirements. For you, this dedication provides a high-quality, easy, and positive financing experience.

For your region specific offers please ask your Lenovo sales representative or your technology provider about the use of Lenovo Financial Services. For more information, see the following Lenovo website:
http://www.lenovo.com/us/en/landingpage/lenovo-financial-services

Related publications and links

For more information, see these resources:

- Lenovo ThinkSystem Servers product page
  https://www3.lenovo.com/us/en/p/thinksystem-servers
- Lenovo Data Center Solution Configurator (DCSC):
  http://dcsc.lenovo.com
- *PSREF: Product Specifications Reference*
  http://psref.lenovo.com
- Lenovo Data Center Support Downloads - ThinkSystem SR570
  http://datacentersupport.lenovo.com/products/servers/thinksystem/sr570/7y02/downloads
  http://datacentersupport.lenovo.com/products/servers/thinksystem/sr570/7y03/downloads

Related product families

Product families related to this document are the following:

- 2-Socket Rack Servers
- ThinkSystem SR570 Server

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