ThinkSystem SR630 Quick Start

In the box
- Server
- Rail kit*
- Cable management arm*
- Material box, including items such as accessory kit, power cords* and documentation

Note: Items marked with asterisk (*) are available on some models only.

If any item is missing or damaged, contact your place of purchase. Ensure that you retain your proof of purchase. They might be required to receive warranty service.

First glance

Front view:
Note: Your server might look different from the following illustrations.
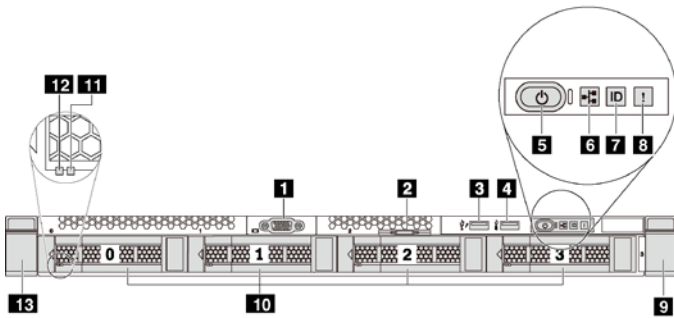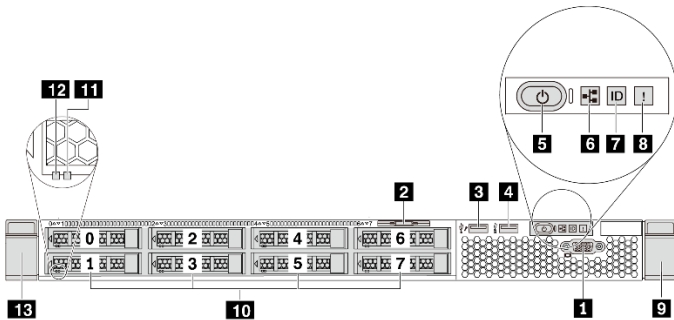

Figure 1. Server models with four 3.5-inch drive bays

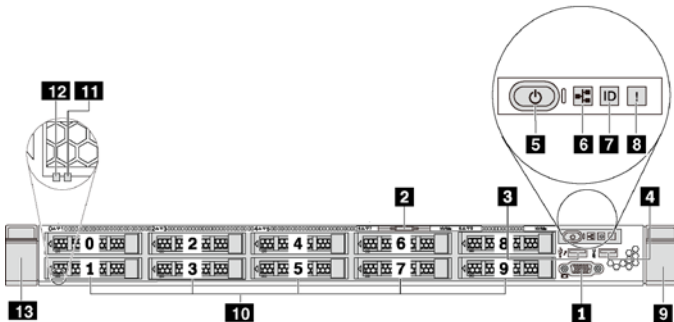*Figure 2. Server models with eight 2.5-inch drive bays*

Figure 3. Server models with ten 2.5-inch drive bays

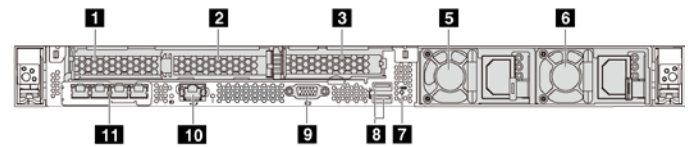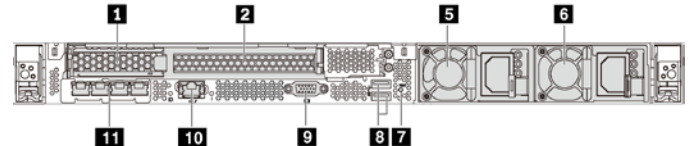|	
1 VGA connector (available on some models)	**2** Pull-out information tab
3 XClarity Controller USB connector	**4** USB 3.0 connector
5 Power button with power status LED	**6** Network activity LED
7 System ID button with ID LED	**8** System error LED
9 Rack latch (right)	**10** Hot-swap drive bays
11 Drive status LED (yellow)	**12** Drive activity LED (green)
13 Rack latch (left)	

Rear view:

Figure 4. Server models with three PCIe slots
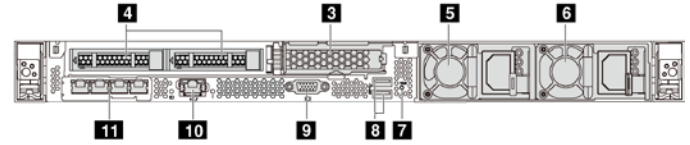

Figure 5. Server models with two PCIe slots

Figure 6. Server models with two hot-swap drive bays and one PCIe slot

1 PCIe slot 1 on riser 1 assembly	**2** PCIe slot 2 on riser 1 assembly
3 PCIe slot 3 on riser 2 assembly	**4** Rear 2.5-inch drive bays
5 Power supply 1	**6** Power supply 2 (available on some models)
7 NMI button	**8** USB 3.0 connectors
9 VGA connector	**10** XClarity Controller network connector
11 Ethernet connectors on the LOM adapter (available on some models)	

Note: For server models with two hot-swap drive bays in the rear, if the server is installed in a rack and shipped to you, the server comes with a shipping bracket installed. Before turning on the server, be sure to remove the shipping bracket. For server models with two hot-swap drive bays in the rear, if the server is installed in a rack for shipping, be sure to install the shipping bracket. For details, refer to the *ThinkSystem SR630 Maintenance Manual*, which is available at: http://thinksystem.lenovofiles.com/help/topic/7X01/pdf_files.html

Setting up the system

1. Install the required server components.
2. Install the server into the rack.
3. Connect the server to power.
4. Connect the server to the network.
5. Turn on the server.
6. Configure the server.

For detailed information about installing hardware options and configuring the server, see the following Web site:
http://thinksystem.lenovofiles.com/help/topic/7X01/pdf_files.html

Technical specifications

Dimensions and weight

- 1U
- Height: 43.0 mm (1.7 inches)
- Width:
  - With rack latches: 482.0 mm (19.0 inches)
  - Without rack latches: 434.4 mm (17.1 inches)
- Depth: 778.3 mm (30.7 inches)

  Note: The depth is measured with rack latches and power supply installed, but without security bezel installed.
- Weight: up to 19.0 kg (41.9 lb)

Processor

Supports (depending on the model):
- Up to two Intel® processors
- Designed for Land Grid Array (LGA) 3647 socket
- Scalable up to 28 cores
- Thermal Design Power (TDP): up to 205 watts

Memory

For Intel Xeon Skylake processors:

- Slots: 24 DIMM slots
- Minimum: 8 GB
- Maximum:
  - 768 GB using registered DIMMs (RDIMMs)
  - 1.5 TB using load-reduced DIMMs (LRDIMMs)
  - 3 TB using three-dimensional stack registered DIMMs (3DS RDIMMs)
- Type:
  - TruDDR4 2666, single-rank/dual-rank, 8 GB/16 GB/32 GB RDIMM
  - TruDDR4 2666, quad-rank, 64 GB LRDIMM
  - TruDDR4 2666, octa-rank, 128 GB 3DS RDIMM

For Intel Xeon Cascade Lake processors:

- Slots: 24 DIMM slots
- Minimum: 8 GB
- Maximum:
  - 1.5 TB using RDIMMs
  - 3 TB using 3DS RDIMMs
  - 6 TB using DC Persistent Memory Module (DCPMM) and

RDIMMs/3DS RDIMMs in Memory Mode
- Type: (depending on the model)
  - TruDDR4 2666, single-rank/dual-rank, 16 GB/32 GB RDIMMs
  - TruDDR4 2933, single-rank/dual-rank, 8 GB/16 GB/32 GB/64 GB RDIMMs
  - TruDDR4 2666, quad-rank, 64 GB 3DS RDIMMs
  - TruDDR4 2933, quad-rank, 128 GB 3DS RDIMMs
  - 128 GB/256 GB/512 GB DCPMM

Note: Operating speed and total memory capacity depend on the processor model and UEFI settings.

For a list of supported memory, see the Lenovo ServerProven Web site:
https://static.lenovo.com/us/en/serverproven/index.shtml

Storage

Supports the following drives:
- Up to four 3.5-inch hot-swap SAS/SATA drives
- Up to four 3.5-inch hot-swap SAS/SATA/NVMe drives
- Up to eight 2.5-inch hot-swap SAS/SATA drives
- Up to ten 2.5-inch hot-swap NVMe drives
- Up to ten 2.5-inch hot-swap SAS/SATA/NVMe drives (NVMe drives are supported only in drive bays 6-9)
- Up to two 2.5-inch hot-swap SAS/SATA drives in the rear
- Up to two internal M.2 drives

Networking

- One XClarity Controller network connector
- Two or four Ethernet connectors on the LOM adapter (available on some models)

Where to go for support

Link		QR Code
	Lenovo Press (Product guides and white papers) https://lenovopress.com/	
	Lenovo ThinkSystem forum https://forums.lenovo.com/t5/Datacenter-Systems/ct-p/sv_eg	
	Lenovo Support – SR630 (including drivers and software) http://datacentersupport.lenovo.com/us/en/products/servers/thinksystem/sr630/7X01	
	Lenovo Product Security Advisories https://support.lenovo.com/us/en/product_security/home	
	Lenovo ServerProven (Compatibility information) http://www.lenovo.com/us/en/serverproven/	

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