

In the box

- Server
- Rail kit box*, including the rail kit and documentation
- Cable management arm*
- Material box, including accessory kit, power cords*, and documentation

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

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.

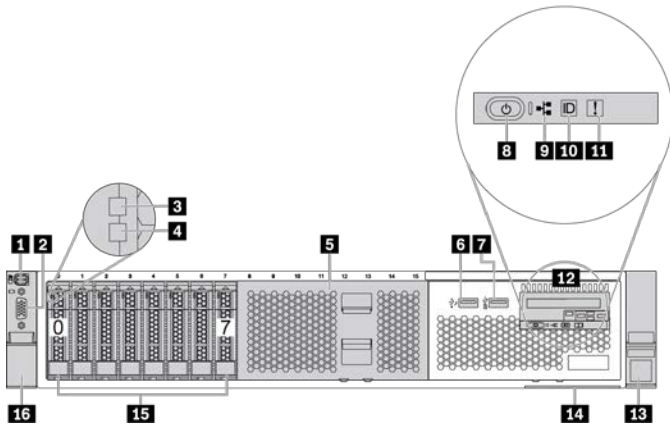


Figure 1. Server model with 8 x 2.5-inch drive bays and pull-out LCD diagnostics panel

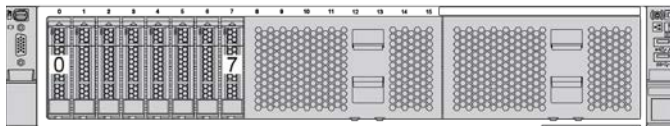


Figure 2. Server model with 8 x 2.5-inch drive bays

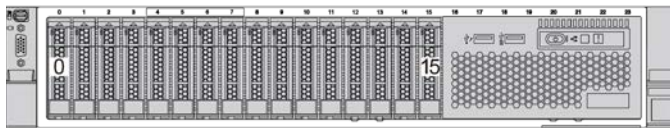


Figure 3. Server model with 16 x 2.5-inch drive bays and pull-out LCD diagnostics panel

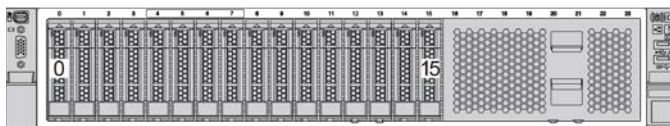


Figure 4. Server model with 16 x 2.5-inch drive bays

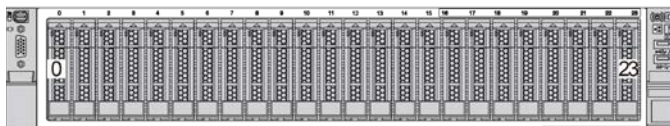


Figure 5. Server model with 24 x 2.5-inch drive bays

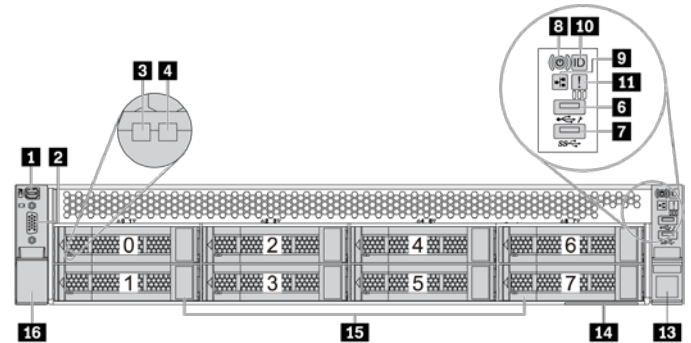


Figure 6. Server model with 8 x 3.5-inch drive bays

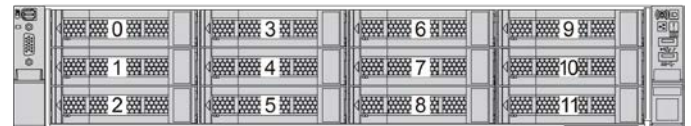


Figure 7. Server model with 12 x 3.5-inch drive bays

1 External diagnostics connector	2 VGA connector (optional)
3 Drive activity LED	4 Drive status LED
5 Drive bay filler	6 USB 2.0 connector with XClarity Controller management
7 USB 3 Gen 1(5 Gbps) connector	8 Power button with power status LED
9 Network activity LED (for OCP 3.0 Ethernet adapter)	10 System ID button with system ID LED
11 System error LED	12 LCD diagnostics panel
13 Rack latch (right)	14 Pull-out information tab
15 Drive bays	16 Rack latch (left)

Rear view:

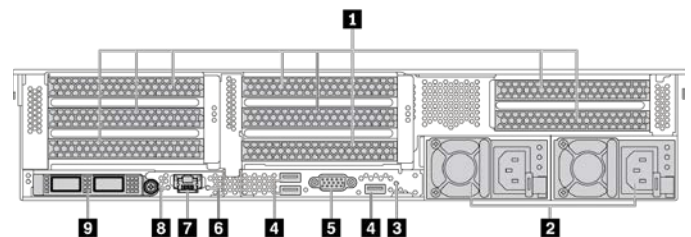


Figure 8. Rear view with eight PCIe slots

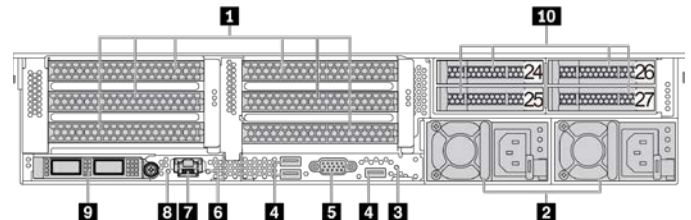


Figure 9. Rear view with six PCIe slots and four 2.5-inch drive bays



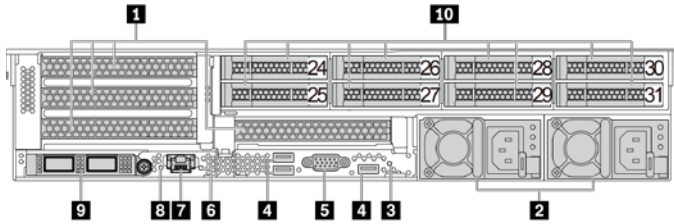


Figure 10. Rear view with four PCIe slots and eight 2.5-inch drive bays

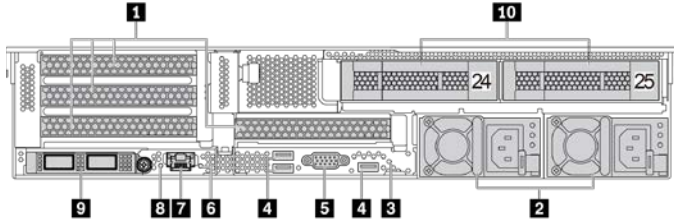


Figure 11. Rear view with four PCIe slots and two 3.5-inch drive bays

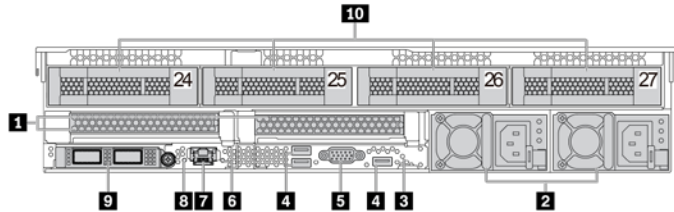


Figure 12. Rear view with two PCIe slots and four 3.5-inch drive bays

1 PCIe slots*	2 Power supplies
3 NMI button	4 USB 3 Gen 1(5 Gbps) connectors
5 VGA connector	6 System error LED
7 XClarity Controller network connector	8 System ID LED
9 Ethernet connectors on OCP 3.0 Ethernet adapter (optional)	10 Rear drive bays

*: PCIe slot 3/ slot 6 can be installed with two 7mm drives or a serial port module.

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/7d2w/introduction.html>



Technical specifications

Dimensions and weight

- Height: 86.5 mm (3.4 inches)
- Width:
 - With rack latches: 482.1 mm (19.0 inches)
 - Without rack latches: 445.0 mm (17.5 inches)
- Depth: 763.7 mm (30.1 inches)

Note: The depth is measured with rack latches installed, but without the security bezel installed.

- Weight: up to 38.8 kg (85.5 lb)

Processor

Supports (depending on the model):

- Two AMD® EPYC™ processors (7002 or 7003 series)
- Designed for Land Grid Array (LGA) 4094 (SP3) socket
- Scalable up to 64 cores per socket, 128 cores in total

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

Memory

- Slots: 32 DIMM slots
- Minimum: 16 GB
- Maximum: 8 TB
- Type (depending on the model):
 - TruDDR4 3200, 2R, 16/32/64 GB RDIMM
 - TruDDR4 3200/2933, 2S2R/2S4R, 128/256 GB 3DS RDIMM

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

Storage










Supports (depending on the model and installed drive backplanes):

- Front bays:
 - Up to 24 x 2.5-inch SAS/SATA/NVMe drives
 - Up to 12 x 3.5-inch SAS/SATA/NVMe drives
- Middle bays:
 - Up to 8 x 2.5-inch SAS/SATA/NVMe drives
 - Up to 4 x 3.5-inch SAS/SATA drives
- Rear bays:
 - Up to 8 x 2.5-inch SAS/SATA drives
 - Up to 4 x 3.5-inch SAS/SATA drives
 - Up to 2 x 7mm drives (in PCIe slot 3/ slot 6 on some models)
- Up to two internal M.2 drives

Networking

- One XClarity Controller network connector
- Ethernet connectors on OCP 3.0 Ethernet adapter

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/Data-center-Systems/ct-p/sv_eg	
 Lenovo Support – SR665 (including drivers and software) https://datacentersupport.lenovo.com/us/en/products/servers/think-system/sr665/7d2w	
 Lenovo Product Security Advisories https://support.lenovo.com/us/en/product_security/home	
 Lenovo ServerProven (Compatibility information) http://www.lenovo.com/us/en/serverproven/	