

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.

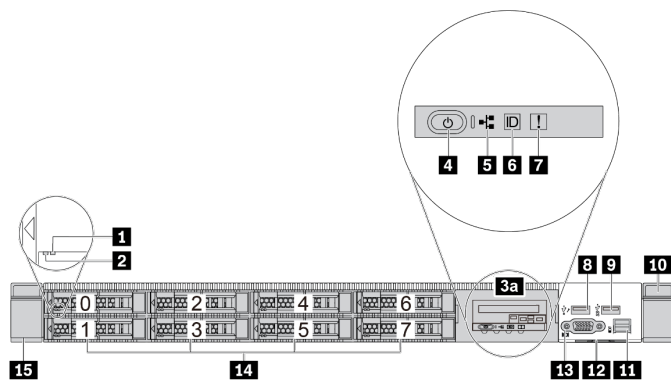


Figure 1. Server model with 8 x 2.5-inch drive bays and pull-out LCD diagnostics panel



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

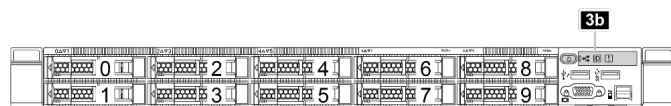


Figure 3. Server model with 10 x 2.5-inch drive bays

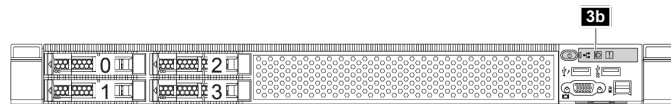


Figure 4. Server model with 4 x 2.5-inch drive bays

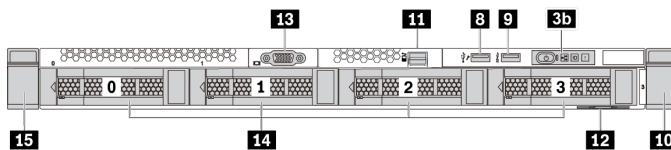


Figure 5. Server model with 4 x 3.5-inch drive bays

1 Drive status LED	2 Drive activity LED
3a LCD diagnostics panel	3b Diagnostics panel

4 Power button with power status LED	5 Network activity LED (for OCP 3.0 Ethernet adapter)
6 System ID button with system ID LED	7 System error LED
8 USB 2.0 connector with XClarity Controller management	9 USB 3.1 Gen 1 connector
10 Rack latch (right)	11 External diagnostics connector
12 Pull-out information tab	13 VGA connector (optional)
14 Drive bays	15 Rack latch (left)

Rear view:

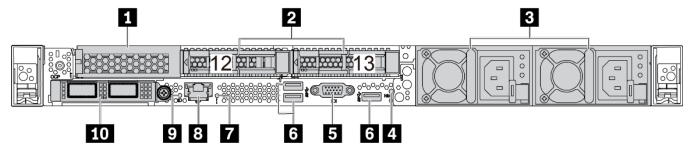


Figure 6. Rear view with one PCIe slot and two 2.5-inch rear drive bays

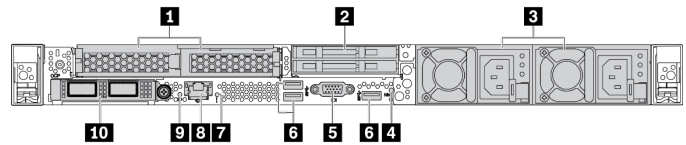


Figure 7. Rear view with two PCIe slots and two 7mm rear drive bays

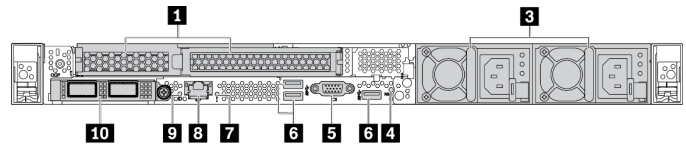


Figure 8. Rear view with two PCIe slots

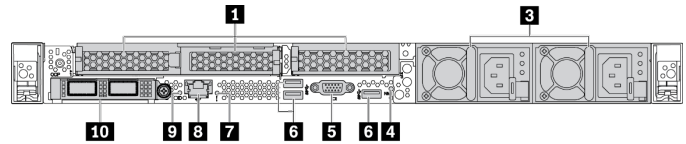


Figure 9. Rear view with three PCIe slots

1 PCIe slots	2 Rear drive bays
3 Power supplies	4 NMI button
5 VGA connector	6 USB 3.1 Gen 1 connectors
7 System error LED	8 XClarity Controller network connector
9 System ID LED	10 Ethernet connectors on OCP 3.0 Ethernet adapter (optional)

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/7d2x/introduction.html>



Technical specifications

Dimensions and weight

- Height: 43.0 mm (1.7 inches)
- Width:
 - With rack latches: 481.7 mm (19.0 inches)
 - Without rack latches: 445.0 mm (17.5 inches)
- Depth: 771.8 mm (30.4 inches)

Note: The depth is measured with rack latches installed, but without the security bezel installed.
- Weight: up to 20.2 kg (44.6 lb)

Processor

Supports (depending on the model):

- Two AMD® EPYC™ processors
- Designed for Land Grid Array (LGA) 4094 (SP3) socket
- Scalable up to 64 cores

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: 4 TB
- Type (depending on the model):
 - TruDDR4 3200, dual-rank, 16 GB RDIMM
 - TruDDR4 3200, dual-rank, 32 GB RDIMM
 - TruDDR4 3200, dual-rank, 64 GB RDIMM
 - TruDDR4 3200, dual-rank, 128 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 10 x 2.5-inch SAS/SATA/NVMe drives
 - Up to 4 x 3.5-inch SAS/SATA/NVMe drives
- Rear bays:
 - Up to 2 x 2.5-inch SAS/SATA/NVMe drives
 - Up to 2 x 7mm drives
- 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 – SR645 (including drivers and software) https://datacentersupport.lenovo.com/us/en/products/servers/think-system/sr645/7d2x	
 Lenovo Product Security Advisories https://support.lenovo.com/us/en/product_security/home	
 Lenovo ServerProven (Compatibility information) http://www.lenovo.com/us/en/serverproven/	