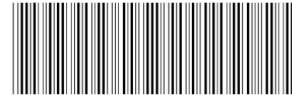




Lenovo ThinkSystem SD530 Compute Node Type 7X21
Lenovo ThinkSystem D2 Enclosure Type 7X20,
Modular Enclosure Type 7X22
Quick Start



PN: SP47A24250
 Printed in China

In the box

Your shipping box contains the following items:

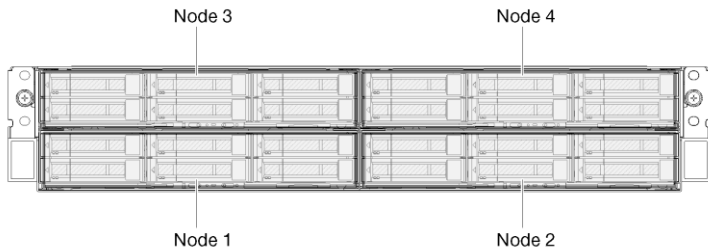
- SD530 Compute Node Type 7X21
- D2 Enclosure Type 7X20 or Modular Enclosure Type 7X22
 Note: There will be one to four nodes per enclosure in the box depending on your purchase.
- Material box, including items such as power cords, printed documentation and slide-rail installation kit.

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

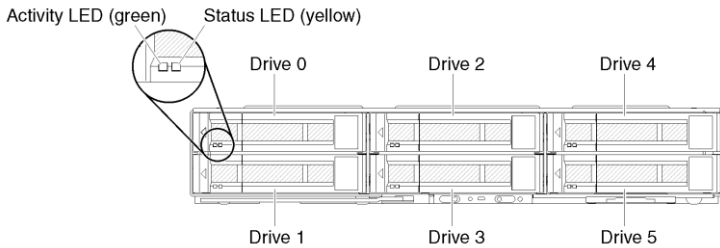
First glance

Note: Your solution might look slightly different from the illustrations.

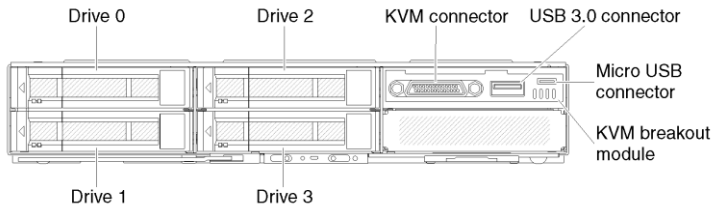
Enclosure front view: Node bays



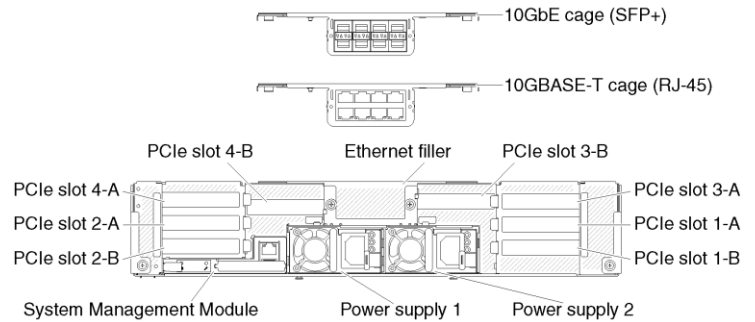
Node front view: Six 2.5-inch hot-swap drive model



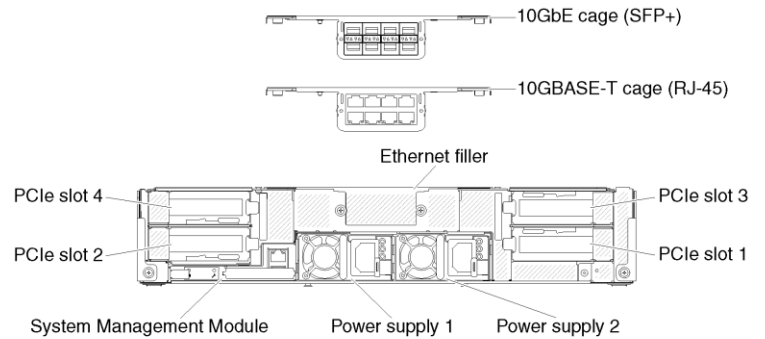
Node front view: Four 2.5-inch hot-swap drive model



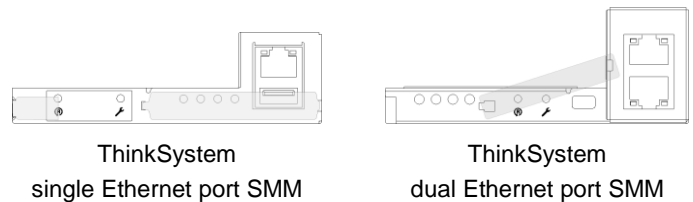
Enclosure rear view: Eight low-profile PCIe 3.0 x8 cards



Enclosure rear view: Four low-profile PCIe 3.0 x16 cards



System Management Module (SMM)



Installing the solution

To install the solution, do the following:

1. Install the required solution components.
2. Install the enclosure into the rack.
 See the *Rack Installation Guide* that was provided with the rail kit.
3. Connect the cables.
4. Turn on the compute nodes.
5. Connect the management controller to the network.
6. Configure the system.

For detailed information about installing hardware options and configuring the system, see the following website:

<http://thinksystem.lenovofiles.com/help/topic/7X21/introduction.html>



Technical specifications

Dimensions and weight

- 2U enclosure
 - Height: 87.0 mm (3.5 inches)
 - Depth: 891.5 mm (35.1 inches)
 - Width: 488.0 mm (19.3 inches)
 - Weight:
 - Minimum (with one node): 22.4 kg (49.4 lbs)
 - Maximum (with four nodes): 55.0 kg (121.2 lbs)
- Node
 - Height: 41.0 mm (1.7 inches)
 - Depth: 562.0 mm (22.2 inches)
 - Width: 222.0 mm (8.8 inches)
 - Weight:
 - Minimum: 3.5 kg (7.7 lbs)
 - Maximum: 7.5 kg (16.6 lbs)

Node processor

- Intel Xeon®















Node memory

- Minimum: 8 GB
- Maximum:
 - 512 GB (16 x 32 GB RDIMM)
 - 1,024 GB (16 x 64 GB LRDIMM)
 - 2 TB (with DC Persistent Memory Modules in Memory Mode)
- Type:
 - Double-data-rate 4 (TruDDR4) error correcting code (ECC) 2666 MT/s registered DIMM (RDIMM) or load reduced DIMM (LRDIMM)
 - DC Persistent Memory Module
- Slots: 16 DIMM slots

Node expansion bays (depending on the model)

- Four 2.5-inch hot-swap SAS/SATA HDD/SSD bays
- Six 2.5-inch hot-swap SAS/SATA HDD/SSD bays
- Four 2.5-inch hot-swap SAS/SATA HDD bays + Two 2.5-inch hot-swap SAS/NVMe drive bays

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 – D2 Enclosure (including drivers and software) http://datacentersupport.lenovo.com/products/servers/thinksystem/d2-enclosure/7X20	
 Lenovo Support – Modular Enclosure (including drivers and software) http://datacentersupport.lenovo.com/products/servers/thinksystem/modular-enclosure/7X22	
 Lenovo Support – SD530 Compute Node (including drivers and software) http://datacentersupport.lenovo.com/products/servers/thinksystem/sd530/7X21	
 Lenovo Product Security Advisories http://support.lenovo.com/us/en/product_security/home	
 Lenovo Server Proven (Compatibility information) http://www.lenovo.com/serverproven/	

Third Edition (April 2019)

© Copyright Lenovo 2019.

LIMITED AND RESTRICTED RIGHTS NOTICE: If data or software is delivered pursuant to a General Services Administration (GSA) contract, use, reproduction, or disclosure is subject to restrictions set forth in Contract No. GS-35F-05925.