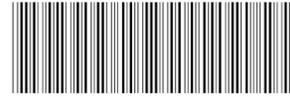




**Lenovo ThinkSystem SD530 Compute Node Type 7X21**  
**Lenovo ThinkSystem D2 Enclosure Type 7X20**  
**Quick Start**



PN: SP47A24250  
 Printed in China

**In the box**

Your shipping box contains the following items:

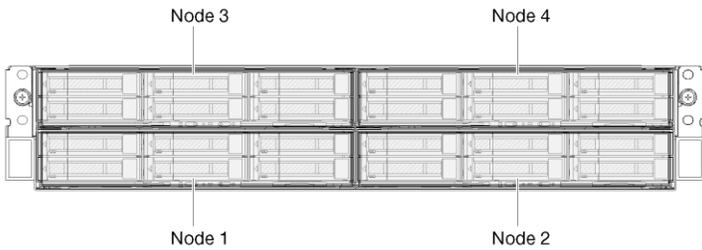
- SD530 Compute Node Type 7X21
- D2 Enclosure Type 7X20  
 Note: There will be one to four nodes per enclosure in the box depending on your purchase.
- Material box, including items such as power cords, printed documentation and slide-rail installation kit.

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.

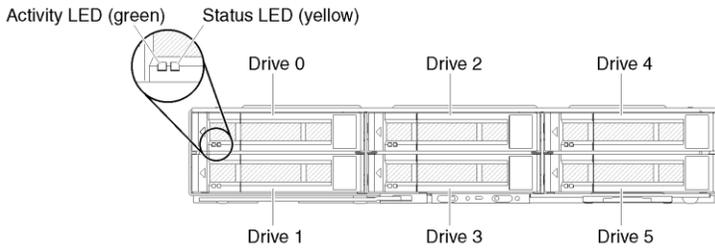
**First glance**

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

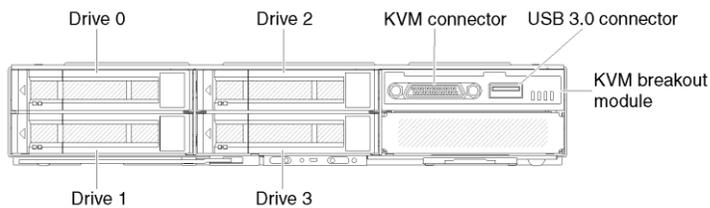
**Enclosure front view: Node bays**



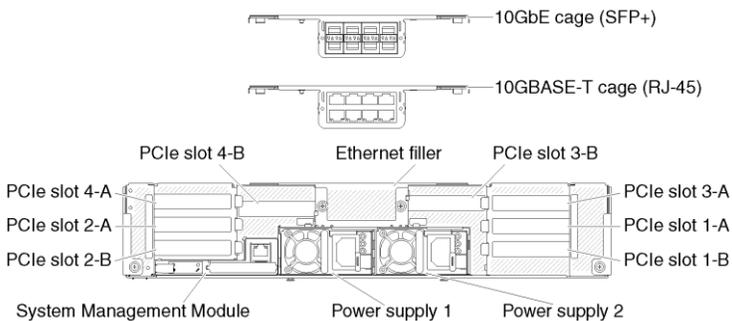
**Node front view: Six 2.5-inch hot-swap drive model**



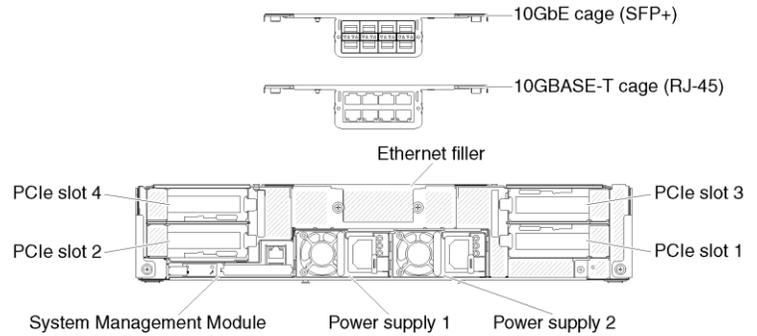
**Node front view: Four 2.5-inch hot-swap drive model**



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



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



**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/index.jsp>



## 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)
- Type: PC4-21300 (dual-rank), 2666 MT/s, errorcorrecting code (ECC), double-data-rate 4 (DDR4) registered DIMM (RDIMM) or load reduced DIMM (LRDIMM)
- 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)  <a href="https://lenovopress.com/">https://lenovopress.com/</a>	
 Lenovo System x Server forums  <a href="https://forums.lenovo.com/t5/Datacenter-Systems/ct-p/sv_eg">https://forums.lenovo.com/t5/Datacenter-Systems/ct-p/sv_eg</a>	
 Lenovo Support – D2 Enclosure (including drivers and software)  <a href="https://support.lenovo.com/p/servers/d2_enc">https://support.lenovo.com/p/servers/d2_enc</a>	
 Lenovo Support – SD530 Compute Node (including drivers and software)  <a href="https://support.lenovo.com/p/servers/sd530">https://support.lenovo.com/p/servers/sd530</a>	
 Lenovo Product Security Advisories  <a href="http://support.lenovo.com/us/en/product_security/home">http://support.lenovo.com/us/en/product_security/home</a>	
 Lenovo Server Proven (Compatibility information)  <a href="http://support.lenovo.com/us/en/serverproven">http://support.lenovo.com/us/en/serverproven</a>	

First Edition (August 2017)

© Copyright Lenovo 2017.

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.