



ThinkSystem DA240 Enclosure Type 7D1J
ThinkSystem SD630 V2 Type 7D1K
Quick Start

In the box

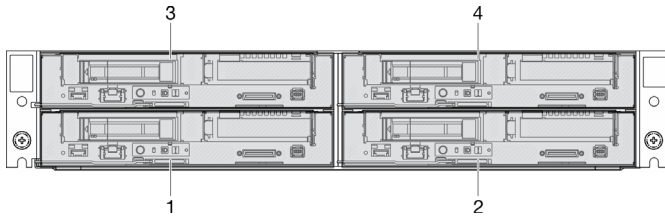
- DA240 Enclosure
- SD630 V2 (one to four nodes per enclosure in the box depending on your purchase)
- Material box

If any item is missing or damaged, contact local service. Make sure to keep the proof of purchase and packing materials. They might be required for warranty service.

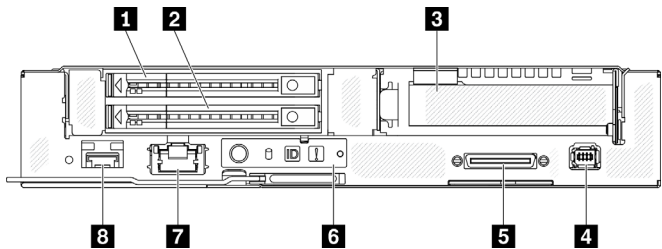
First glance

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

Enclosure front view: Node bays



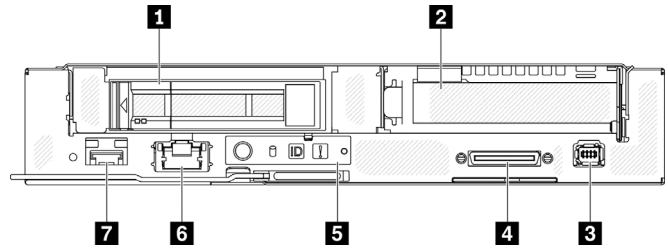
Node front view: Two 7mm 2.5-inch SATA/NVMe SSDs and PCIe riser



| | |
|---|---|
| 1 7mm 2.5-inch SSD bay 1 | 5 USB 3.0 Console Breakout Cable connector |
| 2 7mm 2.5-inch SSD bay 0 | 6 Node operator panel |
| 3 PCIe slot 1 | 7 RJ45 Ethernet port with share-NIC feature |
| 4 External diagnostics connector | 8 SFP28 Ethernet port with share-NIC feature |

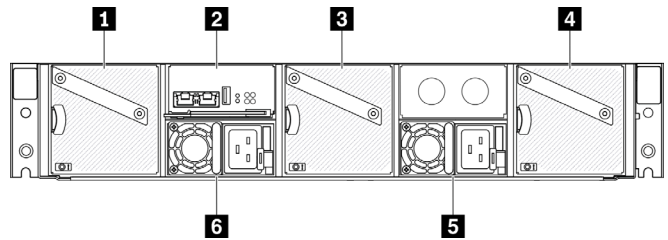
Note: Lenovo XClarity Controller can be accessed by either RJ45 Ethernet port or SFP28 Ethernet port.

Node front view: 15mm 2.5-inch NVMe SSD and PCIe riser



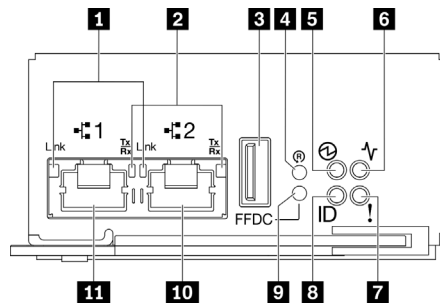
| | |
|---|---|
| 1 15mm 2.5-inch SSD bay | 5 Node operator panel |
| 2 PCIe slot 1 | 6 RJ45 Ethernet port with share-NIC feature |
| 3 External diagnostics connector | 7 SFP28 Ethernet port with share-NIC feature |
| 4 USB 3.0 Console Breakout Cable connector | |

Enclosure rear view:



| | |
|--|-------------------------|
| 1 Fan 1 | 4 Fan 3 |
| 2 System Management Module 2 (SMM2) | 5 Power supply 2 |
| 3 Fan 2 | 6 Power supply 1 |

System Management Module 2 (SMM2):



| | |
|--|---------------------------------------|
| 1 Ethernet port 1 and port 2 link (RJ-45) LED (green) | 7 Check log LED (yellow) |
| 2 Ethernet port 1 and port 2 activity (RJ-45) LED (green) | 8 Identification LED (blue) |
| 3 USB connector | 9 USB port service mode button |
| 4 Reset pinhole | 10 Ethernet port 2 |
| 5 Power LED (green) | 11 Ethernet port 1 |
| 6 Status LED (green) | |



Technical specifications

Dimensions and weight

- 2U enclosure
 - Height: 87.0 mm (3.4 inches)
 - Depth: 936.9 mm (36.8 inches)
 - Width: 488.0 mm (19.2 inches)
 - Weight:
 - Minimum (with one node): 24.3 kg (53.5 lbs)
 - Maximum (with four nodes): 44.2 kg (97.4 lbs)
- Compute node
 - Height: 40.7 mm (1.6 inches)
 - Depth: 615.2 mm (24.2 inches)
 - Width: 214.7 mm (8.4 inches)
 - Weight:
 - Minimum: 3.9 kg (8.6 lbs)
 - Maximum: 6.4 kg (14.1 lbs)

Node processor

The solution supports two 3rd Gen Intel® Xeon® Scalable, up to 250W processors per compute node.

Node memory

- Minimum: 16 GB
- Maximum: 1024 GB with 16 x 64 GB RDIMMs
- Memory module types: Industry-standard double-data-rate 4 (DDR4), dynamic random-access memory (DRAM) registered dual in-line memory modules (RDIMMs) with error-correcting code (ECC)
- Capacity: 16 GB, 32 GB, and 64 GB RDIMM
- Slots: 16 DIMM slots

Storage bays

Depending on the model, each compute node supports

- Up to two 7mm 2.5-inch hot-swap SATA/NVMe solid-state drive bays, or
- One 15mm 2.5-inch hot-swap NVMe solid-state drive bay

Input/Output (I/O) features

- Node operator panel
- USB 3.0 Console Breakout Cable connector
- External LCD diagnostics handset connector
- One 1 Gb RJ45 Ethernet port with share-NIC feature for Lenovo XClarity Controller
- One 25 Gb SFP28 Ethernet port with share-NIC feature for Lenovo XClarity Controller

Note: Lenovo XClarity Controller can be accessed by either RJ45 Ethernet port or SFP28 Ethernet port.

First Edition (May 2021)

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Installing the solution

1. Install the required solution components.
2. Install the enclosure into the rack.
See *Rack Installation Guide*, which comes 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:
<https://thinksystem.lenovofiles.com/help/topic/SD630V2/introduction.html>



Where to go for support

| Link | QR Code |
|--|---|
|  Lenovo Press (Product guides and white papers) https://lenovopress.com/ |  |
|  Lenovo Datacenter Systems Forums https://forums.lenovo.com/t5/Datacenter-Systems/ct-p/sv_eg |  |
|  Lenovo Support - SD630 V2 (including drivers and software) https://datacentersupport.lenovo.com/products/servers/thinksystem/sd630v2 |  |
|  Lenovo Product Security Advisories https://support.lenovo.com/us/en/product_security/home |  |
|  Lenovo Server Proven (Compatibility information) https://static.lenovo.com/us/en/serverproven/index.shtml |  |