

In the box

- ## first glance

| | |
|---|--|
| 1 Riser 1 (Slot 5, 6) | 8 USB 3.0 (1, 2) |
| 2 Riser 2 (Slot 3, 4 / Drive 4, 5) | 9 Front operator panel |
| 3 Power supply unit 2, 1 | 10 External diagnostic handset connector |
| 4 Power supply LEDs | 11 VGA connector |
| 5 Threaded studs for grounding | 12 XClarity Controller (XCC) network connectors |
| 6 USB 2.0 with Lenovo XClarity Controller management | 13 OCP 3.0 adapter (Slot 7) |
| 7 NMI button | |

Technical drawing of the rear view of the device chassis. The drawing shows the internal layout of the chassis, including the power supply unit (PSU) at the top, the main board area in the center, and the I/O panel at the bottom. Numbered callouts indicate the following components:

- 1: PSU fan
- 2: PSU input connector
- 3: PSU output connector
- 4: I/O panel
- 5: Main board
- 6: Chassis ground
- 7: Chassis mounting bracket

-
- Technical drawing of the rear view of the device chassis. The drawing shows the internal components and mounting points. Numbered callouts indicate the following parts:
- 1: Top edge of the chassis.
 - 2: Right side edge of the chassis.
 - 3: Internal component on the right side.
 - 4: Bottom right corner mounting point.
 - 5: Bottom center mounting point.
 - 6: Bottom left corner mounting point.
 - 7: Left side edge of the chassis.
 - 8: Top left corner mounting point.

| | |
|----------------------------------|--------------------------|
| 1 Fan 1 to 6 | 5 Riser 2 |
| 2 Intrusion switch | 6 Riser 1 |
| 3 Power backplane | 7 Air baffle |
| 4 Power supply units 2, 1 | 8 Support bracket |

Technical specification

Dimension and weight

- Height: 86.5 mm (3.41 inches)
- Width:
 - Without rack latches: 444.6 mm (17.50 inches)
 - With rack latches: 480.5 mm (18.92 inches)
- Depth:
 - 300mm:
 - Without bezel: 298.8 mm (11.76 inches)
 - With bezel: 407.3 mm (16.04 inches)
 - 360mm:
 - Without bezel: 358.8 mm (14.13 inches)
 - With bezel: 467.3 mm (18.40 inches)
- Maximal weight:
 - 300mm chassis: 14.84 kg (32.71 lbs)
 - 360mm chassis: 17.45 kg (38.47 lbs)

Processor

This server supports Intel Xeon Processor Scalable Family, up to one processor.

Memory

- Slots: 10 DIMM slots, two-way interleaved
- Types:
 - TruDDR4 ECC 3200 MT/s RDIMM and 3DS-RDIMM
 - Persistent Memory Module (PMEM)
- Minimal capacity: 16 GB
- Maximal capacity:
 - RDIMM: 512 GB
 - 3DS RDIMM: 1024 GB
 - PMEM + RDIMM in Memory Mode: 1280 GB

Storage (varies with models)

- Two 15mm (Drive 0, 1) or four 7mm (Drive 0, 1, 2, 3) SATA/NVMe trayless drives
- (Optional) two 2.5-inch SATA/NVMe drive bays with front access (Drive 4, 5)

Networking

One OCP 3.0 Ethernet adapter











Setting up the system

1. Install the required components.
2. Install the server into the rack. See *Rack Installation Guide*, which comes with the rail kit.
3. Connect the cables.
4. Connect the management controller to the network.
5. Power on the server.
6. Configure the system.

For detailed information about installing hardware options and configuring the system, see the following website:
<https://pubs.lenovo.com/se450/introduction.html>



Where to go for support

| Link | QR code |
|--|---|
|  Lenovo Press (Product guides and white papers) https://lenovopress.lenovo.com/ |  |
|  Lenovo Datacenter Systems Forums https://forums.lenovo.com/t5/Datacenter-Systems/ctp/sv_eg |  |
|  Lenovo Support - SE450 (including drivers and software) https://datacenter.support.lenovo.com/products/servers/thinkedge/se450/thinkedge/7d8t/ |  |
|  Lenovo Product Security Advisories https://support.lenovo.com/product_security/home |  |
|  Lenovo Server Proven (Compatibility information) https://serverproven.lenovo.com/server/se450 |  |

(April 2022)

© Copyright Lenovo 2022.

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.