Lenovo

**ThinkSystem ST250
Type 7Y45 and 7Y46
Quick Start**

Your shipping box contains the following items:

- ST250
- Material box, including printed documentation

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.
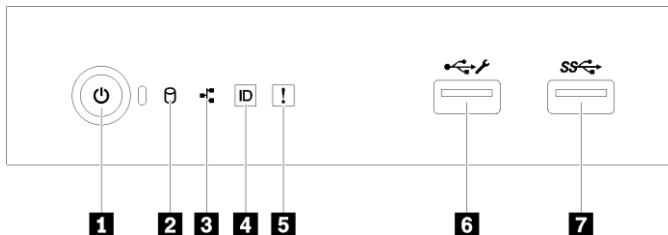
First glance

Front view:

Note: Your server might look different from the following illustrations

2.5-inch drive configuration	3.5-inch drive configuration
1 Optical-drive bays (2)	**1** Optical-drive bays (2)
2 2.5-inch drive bays	**2** 3.5-inch drive bays

Front panel view:

1 Power button with power status LED (green)	**2** Drive activity LED (green)
3 Network activity LED (green)	**4** System ID button with system ID LED (blue)
5 System error LED (yellow)	**6** XClarity Controller USB 2.0 connector
7 USB 3.1 Gen 1 connector	

Rear view (two hot-swap power supply configuration):

	1 Power cord connector
	2 VGA connector
	3 Serial connector
	4 Dedicated XClarity Controller (XCC) network connector
	5 Ethernet 1 connector (shared with XCC network port)
	6 Ethernet 2 connector
	7 USB 3.1 Gen 2 connector
	8 USB 3.1 Gen 1 connector
	9 PCIe slots

Setting up the System

1. Install the required server components.
2. Install the server into the rack if necessary.
   See the *Tower-to-rack Conversion Kit Installation Instructions* that was provided with the Tower-to-rack conversion kit.
3. Connect the cables.
4. Power on the server.
5. Configure the system.

For detailed information about installing hardware options and configuring the system, see the following website:
http://thinksystem.lenovofiles.com/help/topic/7Y45/introduction.html

Reduce | Reuse | Recycle

Technical specifications

Dimensions and weight

- Height: 430 mm (16.93 inches)
- Width: 175 mm (6.89 inches)
- Depth: 565.65 mm (22.27 inches)
- Weight (depending upon configuration):
  - Maximum: 23.56 kg (51.94 lb)

Processor

This server comes with latest Intel® processor family, up to one processor from:

- Xeon® E3-21XX
- Xeon® E3-22XX
- Core i3
- Pentium Gold

Memory

- Minimum: 8 GB
- Maximum: 128 GB
- DIMM types:
  - PC4-2666 (8 GB Single-rank, 16 GB dual-rank, or 32 GB dual-rank), ECC-UDIMM
- Slots: Four DIMM slots

Drive bays (varies by model):

- HDD storage drive bays
  - Up to four 3.5-inch simple-swap disk drives
    - On board SATA ports
  - Up to eight 3.5-inch simple-swap disk drives
    - On board SATA ports*
  - Up to four 3.5-inch hot-swap disk drives
    - On board SATA ports
    - RAID adapter
  - Up to eight 3.5-inch hot-swap disk drives
    - On board SATA ports*
    - RAID adapter
  - Up to eight 2.5-inch hot-swap disk drives
    - On board SATA ports*
    - RAID adapter
  - Up to sixteen 2.5-inch hot-swap disk drives
    - RAID adapter
  - Up to hybrid four 3.5-inch & eight 2.5-inch hot-swap disk drives
    - RAID adapter

  * When M.2 or optical drive(s) are present, the on-board SATA disk drive support is limited to six HDD.

- Optical drive bays
  - Two optical drive bays
    - Supports up to two optical drives
    - If M.2 drive present, optical drive limited to one drive
  - Supports up to one tape drive (RDX or LTO)
    - Can only be installed in lower optical drive bay
  - Maximum number of optical drive plus tape drive is two pieces

Third Edition (January 2021)

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 – ST250 (including drivers and software) https://datacentersupport.lenovo.com/products/servers/thinksystem/st250?linkTrack=QR	
	Lenovo Product Security Advisories http://support.lenovo.com/us/en/product_security/home	
	Lenovo Server Proven (Compatibility information) https://static.lenovo.com/us/en/serverproven/index.shtml	