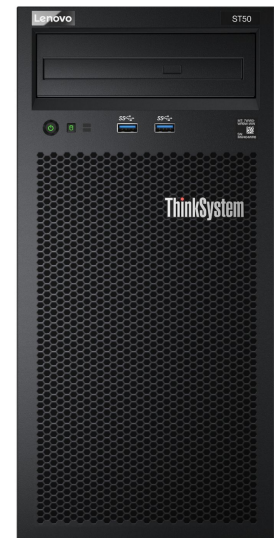# ThinkSystem ST50
The optimal first server, powerful yet affordable

Powerful Yet Affordable

The Lenovo ThinkSystem ST50 provides an easily manageable, ideal first server for a small-to-medium-sized business, and remote or branch office, or retail environments looking to increase productivity. A value-optimized motherboard design paired with the latest Intel® Xeon® E-2200 processors provide a 2-digit percentage performance increase from the previous generation and offer an aggressive price point for the ThinkSystem ST50 versus high-end desktops, and with higher enterprise-level capabilities than a desktop alternative.

The space-saving form factor and dynamic capabilities of the ThinkSystem ST50 make it well suited for day-to-day computing, file management, printing, email, and web serving in distributed environments. Highly efficient fans keep the server cool and reduce noise in an office environment.

Flexible Value

The ThinkSystem ST50 is designed with components common across the portfolio, high reliability, and essential scale-out capabilities for growing businesses. It features support for a GPU and both server and client operating systems.

In addition, flexible storage options include up to four 3.5-inch HDDs or a mixed HDD/SSD configuration. Plus, a unified 5.25-inch media bay extends the ThinkSystem ST50 capabilities for light business data backup as well.

Save time and reduce costs with Intel Active Management Technology (AMT), which monitors system health and prevents data disruption, while the USB version of Lenovo's XClarity provisioning manager enables easy setup and firmware upgrades. The tool-free mechanical design enables faster access to key components so you can adapt the configuration as needs change.

Environmentally Friendly

The compact ThinkSystem ST50 excels at being inconspicuous in an office environment. Also, the ThinkSystem ST50 is whisper-quiet, enabling the server to blend into the background.

The energy-efficient qualities of the ThinkSystem ST50 include both the Intel® Xeon® E processor and TruDDR4 ECC memory, which reduce power consumption under standard workloads. Lenovo's reliability means that along with energy cost savings, you can count on increased server uptime and workplace productivity.

Specifications

Form Factor/Height	Tower; Optional 4U rack-mount kit; Height: 375mm (16.9 inches), Width: 175mm (6.9 inches), Depth 431mm (17 inches)
Number of Processors	1x Intel® Xeon® E-2200 processor, up to 6 cores at 95W
Memory	Up to 64GB in 4x UDIMM slots using 16GB DIMMs; 2666MHz TruDDR4
Expansion Slots	Up to 3x PCIe Gen3 slots: one x16/x16, one x1/x1, and one x16/x4 slot
Drive Bays	4x; either 3x 3.5-inch + 1x 5.25-inch fixed, or 4x 3.5-inch fixed (the 4th requires the 5.25-inch to 3.5-inch optical drive conversion kit); support a mixed configuration with HDDs and SSDs; 5.25-inch bay supports optical or tape dirve (unless converted to 3.5-inch); single SD card (32GB) or dual-redundant SD cards (32GB / 64GB)
HBA/RAID Support	Intel VROC software RAID support; multiple hardware RAID configurations supported
I/O Interface	2x front USB 3.1 G1 ports; 2x rear USB 3.1 G1 ports and 2x rear USB 2.0 ports; 1x Serial port; 2x DisplayPorts (DP; optional for DP-to-VGA and DP-to-HDMI dongle); 1x audio line out (for Microsoft client OS only)
Network Interface	1x 1GbE RJ45 Ethernet port
Power	1x fixed 80 PLUS power supply up to Platinum efficiency; 250W or 400W
Systems Management	Intel AMT; Lenovo XClarity Provisioning Manager – USB version; TPM 1.2 embedded (upgradable to TPM 2.0)
OSes Supported	Microsoft, SUSE, Red Hat, VMware vSphere, CentOS; Visit lenovopress.com/osig for more information.
Limited Warranty	1- and 3-year customer replaceable unit and onsite service, next business day 9x5, optional service upgrades

For More Information

To learn more about the Lenovo ThinkSystem ST50, contact your Lenovo representative or Business Partner, or visit lenovo.com/thinksystem. For detailed specifications, read the ThinkSystem ST50 product guide.

About Lenovo

Lenovo (HKSE: 992) (ADR: LNVGY) is a US$45 billion Fortune 500 company and a global technology leader in driving Intelligent Transformation. Lenovo's data center solutions (ThinkSystem, ThinkAgile) are creating the capacity and computing power that are changing business and society.

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