

ThinkSystem ST550 7X10A03VEA

Region
EMEA

Machine Type
7X10

TopSeller
TopSeller

Processor
1x Xeon Silver 4110 8C/2.1GHz/11MB/85W/DDR4-2400

Memory
1x 16GB RDIMM DDR4-2666 (1Rx4)

Storage Controller
1x 930-8i 2GB Flash

Chassis
16x 2.5"

Disk Bays
8x 2.5" SATA/SAS HS

Disks
2x300GB HDD 10K 2.5" SAS12Gbps

M.2 Drives
None

GPU
None

Onboard Networking Ports
1x Mgmt, 2x GbE

Additional Networking (LOM/ML2/PCIe)
None

Standard Extension Slots
1x PCIe x8 FHHL, 1x PCIe x8 FHFL, 1x PCIe x16 FHFL, 1x PCIe x16 FHHL

TPM
TPM 1.2

Intrusion Switch
Intrusion Switch

Security Door
Security door

Optical
1x HH DVD±RW

Optional Ports
None

Keyboard
None

System Management
XClarity Standard

Power Supply
2x 550W Platinum

Preload
None

Warranty
3-year

Ann Date (mm/yy)
07/17

Note:

Country Code "US" is for United States, "+" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "***" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries

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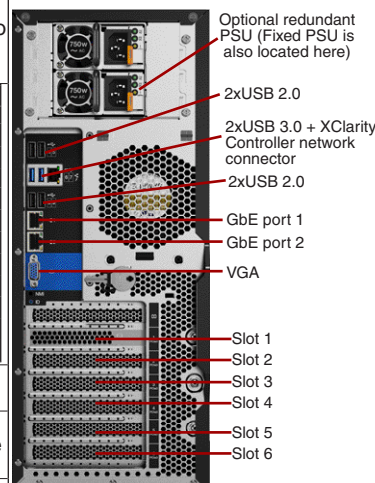
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ThinkSystem ST550 Platform Specifications



| Components | Specification | |
|--|---|--|
| Form factor | Tower or 4U rack | |
| Dimensions | Without foot stands and security door: Height: 425.5 mm (16.8 in). Width: 175.8 mm (6.92 in). Depth: 666.4 mm (26.24 in) | |
| Weight | Maximum configuration: 81.35 lb (36.9 kg) | |
| Processor | Up to two 125W Intel Xeon Scalable family processors, Bronze, Silver, Gold, or Platinum. Up to 20 cores at 2.0GHz, up to 3.6GHz with 4 cores. Two processors are connected with two UPI (Ultra Path Interconnect) links up to 10.4GT/s | |
| Chipset | Intel C621 Platform Controller Hub | |
| Memory | Up to 12 DIMM sockets. Each processor supports up to 6 DIMM sockets with 6 channels. DDR4-2666. RDIMMs and LRDIMMs are supported, but memory types cannot be intermixed | |
| Memory capacity | With RDIMMs: Up to 384GB with 12 x 32 GB RDIMMs and two processors With LRDIMMs: Up to 768GB with 12 x 64 GB LRDIMMs and two processors | |
| Memory protection | ECC, memory mirroring, and memory sparing | |
| Storage controllers | Supports the following RAID/HBA adapters: | |
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| Note: 730-8i is available in China only. All RAID/HBA adapters should be placed in slot 1 firstly. | | |
| Disk drive bays | Supports 4 or 8 front 3.5" SATA simple-swap bays. Or 4 or 8 front 3.5" SATA/SAS HS bays. Or 8 or 16 front 2.5" SATA/SAS HS bays with maximum 4 AnyBay. Optional 4 front 2.5" HS bays are supported on hot-swap models, takes place in two 5.25" bays location Optional one or two internal M.2 SSD for boot, dual M.2 SSD supports mirroring | |
| Internal storage | For 3.5" SS bay | |
| | For 3.5" bay | |
| | (3.5" disks or 2.5" disks with 3.5" tray) | |
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| | For 2.5" bay | |
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| Optical | Two 5.25" bays for optical and tape drive. Supports DVD-ROM or DVD±RW drives, half-height. Supports LTO-6 SAS, LTO-7 SAS, and RDX USB 3.0 tape drives | |
| Network interfaces | Integrated one dedicated management port plus two GbE ports. Optional PCIe adapters are supported. NC-SI and Wake-on-LAN are available on GbE port 1 (See right) | |
| Security features | Power-on and admin password. Trusted Platform Module, TCG 1.2 compliant, upgrade to 2.0 via UEFI setting. Optional TCM in China only. Optional lockable security bezel. Optional chassis intrusion switch | |
| Operating systems supported | Microsoft Windows Server 2016/2012 R2. Red Hat Enterprise Linux 7.3/6.9. SUSE Linux Enterprise Server 12 SP2/11 SP4. VMware vSphere (ESXi) 6.5/6.0 U3 | |
| Systems management | XClarity Controller Standard, optional upgrades to Advanced or Enterprise are available. Energy Manager. XClarity Administrator. Provisioning Manager. Essentials. LEDs on front panel show the status of power, ID, network, simple-swap disks, and system error | |
| GPU support | Up to two optional NVIDIA Quadro P2000 or Quadro P6000 | |

| Components | Specification |
|-----------------------------|---|
| Base warranty | MT 7X09: 1-year limited onsite service with 9x5/NBD MT 7X10: 3-year limited onsite service with 9x5/NBD |
| Power supply | Supports one fixed 450W 80 PLUS Gold qualified AC power supply, non-hot-swap, no redundant. Or up to two redundant hot-swap 550W/750W/1100W 80 PLUS Platinum qualified AC power supplies. Or up to two redundant hot-swap 750W Titanium qualified AC power supplies. 750W Titanium is 200V - 240V, others are 100V - 240V |
| Video | Integrated Matrox G200 in XClarity Controller |
| Cooling | Up to four fans with one for redundant. Two fans for single processor, three fans for dual processor or single processor with 4 x 2.5" HS bay installed. 4th fan is N + 1 redundant or GPU installed |
| Front ports | One XClarity Controller USB connector, one USB 3.0 |
| Rear ports | One VGA, two USB 3.0, four USB 2.0, two ethernet (RJ-45), one XClarity Controller network connector. Optional COM port |
| Environmental specification | Supports ASHRAE A4 with limitations. |
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| Environmental certification | Energy Star Server 2.1 certified. More environmental information please see: www.lenovo.com/social_responsibility/us/en/environment/ |



| Expansion slots | |
|-----------------|--|
| Slot 1 (CPU1) | PCIe 3.0 x8, full height, half length |
| Slot 2 (CPU1) | PCIe 3.0 x16, full height, half length |
| Slot 3 (CPU1) | PCIe 3.0 x16, full height, full length, double-width |
| Slot 4 (CPU2) | PCIe 3.0 x16 (x8 elec), full height, full length |
| Slot 5 (CPU2) | PCIe 3.0 x16, full height, full length, double-width |
| Slot 6 (CPU1) | PCIe 3.0 x8 (x4 elec), full height, full length |

Note: All expansion cards and redundant PSU are optional.

| System unique options | |
|-----------------------|--|
| 7X77A03475 | ThinkSystem ST550 2.5" SATA/SAS 4-Bay Backplane Kit |
| 7X77A03476 | ThinkSystem ST550 2.5" Anybay 8-Bay Backplane Kit |
| 7TP7A04369 | ThinkSystem ST550 2.5" 8-Bay Backplane Kit |
| 7TP7A04370 | ThinkSystem ST550 3.5" SATA/SAS 4-Bay Backplane kit |
| 7X77A03481 | ThinkSystem ST550 3.5" Simple Swap Bracket Plate |
| 7X77A03484 | ThinkSystem ST550 4U Security Bezel |
| 7X77A03485 | ThinkSystem ST550 CMA kit |
| 7X77A03488 | ThinkSystem ST550 4U Tower to Rack Conversion Kit |
| 7Z17A02577 | ThinkSystem ST550 COM Port Upgrade Kit |
| 7XH7A06781 | ThinkSystem ST550 Front Mid FAN Module for 4x2.5" ODD conversion |
| 7TP7A04371 | ThinkSystem ST550 Rear FAN Module for RDN FAN |

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