System x3550 M5

Powerful, compact server packed with the performance, reliability and security to fuel any workload

Designed in a compact, versatile 1U two-socket rack server, the System x3550 M5 rack server fuels almost any workload from infrastructure to high performance computing to Cloud or Big Data with leadership security, efficiency, and reliability. Integrated with up to two Intel E5-2600 v3 series CPUs with faster, energy-efficient TruDDR4™ Memory, the x3550 M5 delivers exceptional performance. Storage can include up to 12 drives in an impressive selection of sizes and types.

Smart design adds flexibility for workload-tuned performance

The x3550 M5 incorporates energy smart features for minimized costs and efficient performance. Dual fan zones support operation in up to 40° C environments. Available 80 PLUS® Titanium power supply units (PSUs) can deliver 96 percent efficiency at 50 percent load. With twice the memory, up to 131 percent greater performance,[1] and 50 percent more cores and cache per system than the previous generation, the x3550 M5 lets your workloads fly.

Leverage leading security and reliability

The x3550 M5 integrates leadership security and reliability. System x® Trusted Platform Assurance, an exclusive set of System x features and practices, establishes a foolproof security foundation for your workloads. You can also deploy self-encrypting drives using the optional IBM Security Key Lifecycle Manager (SKLM). System x servers achieved the highest reliability of any x86 servers.[2] Diagnostic tools facilitate reduced downtime and costs.

Select configurations of the x3550 M5 are part of the Express Portfolio™, designed to meet the needs of small and midsized businesses. Easy to manage, Express models vary by country

For more information

To learn more about the System x3550 M5, contact your Lenovo Business Partner or visit **lenovo.com**/thinkserver

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Specifications

Form factor/height	1U Rack
Processor (max)**/Cache** (max)	Up to two Intel Xeon E5-2600 v3 series processors with up to 18-cores each/Up to 45 MB per processor
Memory (max)	Up to 1.5 TB of memory with SK Hynix 64 GB* TruDDR4 Memory LRDIMMs, System supports RDIMM/LRDIMM
Disk bays	Up to 10 front and two rear 2.5-inch HDDs or SSDs, or up to four 3.5-inch HDDs
RAID support	12 Gbps dedicated RAID slot with support for hardware RAID-0, -1, -10 with optional RAID-5, -50, -6, -60
Power supply (std/max)	1/2 redundant 550 W AC, 750 W AC, 900 W AC 80 PLUS Platinum and 750 W AC 80 PLUS Titanium (model dependent)
Hot-swap components	Power supplies, fan modules and HDDs
Network interface	1 x IMM and 4 × 1 GbE (std.); optional 10/40 GbE ML2 or PCIe adapter; Trusted Platform Module built-in
Expansion slots	1 – 3 PCIe 3.0 slots and 1 dedicated RAID slot
USB Ports / VGA Ports	Up to 3 front (1 x USB 3.0, 2 x USB 2.0) and 4 back (2 x USB 3.0, 2 x USB 2.0) and 1 internal (USB 3.0) / 1 front and 1 back
Maximum internal storage	Up to 24 TB
Energy-efficiency compliance†	80 PLUS, ENERGY STAR®, energy-efficiency standards (model dependent)
Systems management	IMM2.1, one IMM dedicated port and one shared; optional remote presence; Predictive Failure Analysis; LEDs; optional next-generation light path diagnostics panel
Operating systems (OS) supported	Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, VMware vSphere - (optional USB Key or SD Media Adapter)‡
Limited warranty	3-year customer replaceable unit and onsite limited warranty, next business day 9x5; upgrades available

[1] Up to 131 percent performance boost based on internal measurements as of June 2014 for representative Java-based workloads, Intel Xeon E5-2699 v3 (18C, 2.3 GHz, 145W) vs Intel Xeon E5-2697 v2 (12C, 2.7 GHz, 130W)

[2] ITIC 2014-2015 Global Server Hardware, Server OS Reliability Survey: http://public.dhe.ibm.com/common/ssi/ecm/en/xsl03126usen/XSL03126USEN.PDF

* 64 GB DIMMs available at a later date.

† Lenovo intends to qualify this product to the ENERGY STAR Computer Server requirements, but that will not be finalized until Lenovo submits the required information and receives confirmation from the certification authorities that the product is qualified.

‡ Available in the first quarter of 2015.

Options

16 GB TruDDR4 Memory (2Rx4, 1.2V) PC4-17000 CL15 2133 MHz LP RDIMM	ServeRAID M5210 SAS/SATA Controller	6 TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD
95Y4821	46C9110	00FN173
Add more TruDDR4 Memory to help improve the performance of your workloads	Superior performance RAID with upgradeable flash backed write cache, up to 4 GB	Optimize storage with high density and low cost per GB hard drives

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