

LENOVO SYSTEM x3500 M5

All-in-one two-socket tower or rack-mountable server for business-critical workloads



BIG PERFORMANCE

The new Lenovo® System x3500 M5 delivers big performance and storage flexibility in a small footprint. Choose from models with up to 32 2.5-inch or 12 3.5-inch drives. Leverage tiered storage with a combination of fast-access 2.5-inch and low-cost-per-terabyte 3.5-inch drives in the same server.

Deploy up to two Intel® Xeon® processors E5-2600 v3 series for up to 36 cores per server. Accelerate your graphics applications with up to two optional GPUs. With twice the memory, up to 131 percent greater performance,¹ and 50 percent more cores and cache than the previous generation, the x3500 M5 lets your workloads fly.

SECURITY, RELIABILITY

The x3500 M5 integrates industry-leading security and reliability. System x® Trusted Platform Assurance establishes a solid security foundation for your workloads—from infrastructure to analytics. You can also deploy self-encrypting drives with optional key management software.

System x servers achieved the highest reliability of any x86 server.² Diagnostic tools such as Predictive Failure Analysis proactively monitor server sub-components to help reduce downtime and costs.

INNOVATIVE DESIGN

The x3500 M5 can keep your business running in extended operating temperatures for optimal performance in office and data center environments.

To further reduce energy costs, the x3500 M5 can run ample low-voltage TruDDR4™ Memory modules along with available high-efficiency 80 PLUS® Titanium power supplies that deliver up to 96 percent efficiency.

Select configurations of the x3500 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.



SPECIFICATIONS

FORM FACTOR/HEIGHT	Tower (5U rack-mountable)
PROCESSOR (MAX)	Up to two 18-core Intel® Xeon® processors E5-2600 v3 series; support for up to two 300 W GPUs
MEMORY (MAX)	Up to 1.5 TB with 64 GB* TruDDR4™ Memory LRDIMMs, up to 45 MB cache
DISK BAYS	Up to 32 2.5-inch hot-swap hard disk drives (HDDs) or solid-state drives (SSDs), or up to 12 3.5-inch hot-swap HDDs or 6 3.5-inch simple-swap HDDs, or a combination of up to 16 2.5-inch hot-swap HDDs/SSDs with up to 6 3.5-inch hot-swap HDDs
MEDIA BAYS	DVD-ROM and optional tape drive
NETWORK INTERFACE	Quad-port Gigabit Ethernet and single-port IMM2 standard; optional 10 GbE PCIe adapters
POWER SUPPLY (STD/MAX)	1/2 HS redundant 550/750/900 W, 80 PLUS Platinum or 750 W 80 PLUS Titanium
HOT-SWAP COMPONENTS	Power supplies, fans and HDDs/SSDs
RAID SUPPORT	Up to two 12 Gbps hardware RAID adapters -0, -1, -10 with RAID-5, -50, -6, -60 upgrades
SYSTEMS MANAGEMENT	IMM2 with dedicated management port (optional remote presence); Predictive Failure Analysis, Diagnostic LEDs, IBM Systems Director and IBM Systems Director Active Energy Manager™
OPERATING SYSTEMS SUPPORTED	Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise, VMware vSphere - (optional USB Key or SD Media Adapter*)
LIMITED WARRANTY	3-year customer replaceable unit and onsite limited warranty, next business day 9x5, service 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 Reliability Survey: IBM Servers Most Reliable for Sixth Straight Year at ibm.com/common/ssi/cgi-bin/ssialias?subtype=WH&infotype=SA&appname=STGE_XS_IN_US&htmlfid=XSL03126USEN&attachment=XSL03126USEN.PDF

*64 GB DIMMs, active/standby mode, and SD media adapter available at a later date.

OPTIONS

<p>16 GB TruDDR4 Memory (2Rx4, 1.2V) PC4-17000 CL15 2133 MHz LP RDIMM</p> <p>46W0796</p> <p>Add more TruDDR4 Memory to help improve the performance of all your workloads.</p>	<p>6 TB 7.2K NL SATA 512e HDDs and 6 TB 7.2K NL SAS 512e HDDs and SEDs</p> <p>00FN173, 00FN228 and 00FN258</p> <p>Optimize storage with high density and low cost per GB hard drives.</p>	<p>ServeRAID M5210 and SAS/SATA Controllers</p> <p>46C9110</p> <p>12Gbps data transfer rates with MegaRAID SafeStore support for self-encryption drive services.</p>
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For a complete list of options, visit lenovoquickpick.com

FOR MORE INFORMATION

About Lenovo, the Lenovo System x3500 M5, or to contact your Lenovo Business Partner, visit lenovo.com/thinkserver

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