

# LENOVO SYSTEM x3650 M5

Commanding performance, versatility

Lenovo™



With the powerful, versatile 2U two-socket System x3650 M5 rack server, you can run even more workloads, 24/7, and gain faster business insights. Integrated with up to two Intel® Xeon® processors E5-2600 v3 series and faster TruDDR4 Memory™, the x3650 M5 fast forwards your business. You can select from an impressive array of storage configurations (up to 26 drive bays) that optimize diverse workloads from Cloud to Big Data.

## LEADING SECURITY AND RELIABILITY

Industry-leading Trusted Platform Assurance, a built-in set of System x features and practices, establishes a solid security foundation for your workloads. You can also deploy self-encrypting drives using the IBM Security Key Lifecycle Manager. System x servers achieved the highest reliability of any x86 server.<sup>1</sup> Predictive Failure Analysis and the new Next Gen Diagnostic panel facilitate easy serviceability and reduced downtime and costs.

## INNOVATIVE, EFFICIENT DESIGN

The x3650 M5 incorporates energy-saving features. Dual fan zones and extended operating temperature ranges maintain advanced cooling. 80 PLUS® Titanium power supplies deliver up to 96 percent efficiency. With twice the memory and 50 percent more cores and cache than the previous generation, the x3650 M5 lets your workloads fly. End-to-end 12 Gbps RAID support with up to four RAID adapters enhances performance and data protection. Select configurations of the x3650 M5 are part of the TopSeller Portfolio™, designed to meet the needs of small and midsize businesses. TopSeller models vary by country.

## WHY LENOVO

Lenovo is the leading provider of x86 systems for the data center. The portfolio includes rack, tower, blade, dense and converged systems, and supports enterprise class performance, reliability and security. Lenovo also offers a full range of networking, storage, software and solutions, and comprehensive services supporting business needs throughout the IT lifecycle.

## FOR MORE INFORMATION

For more information about Lenovo, the Lenovo System x3650 M5, or to contact a Lenovo Business Partner, visit [lenovo.com/systems/servers](http://lenovo.com/systems/servers)



## SPECIFICATIONS

FORM FACTOR/HEIGHT	2U Rack
PROCESSOR (MAX)/ CACHE (MAX)	Up to two Intel® Xeon® processors E5-2600 v3 series with up to 18 cores each/ Up to 45 MB per processor
MEMORY (MAX)	Up to 1.5 TB with SK Hynix 64 GB TruDDR4™ Memory LRDIMMs; System supports RDIMM/LRDIMM
DISK BAYS	Up to 24 front and 2 rear 2.5-inch HDDs/SSDs; or up to 12 3.5-inch and 2 rear 3.5-inch HDDs + 2 rear 2.5-inch HDDs/SSDs; or up to 8 3.5-inch HDDs and 2 rear 3.5-inch or 2.5-inch HDDs/SSDs (model dependent)
RAID SUPPORT	12 Gbps dedicated slot for the first RAID; support for up to four RAID adapters
POWER SUPPLY (STD/MAX)	1/2 redundant 550 W AC, 750 W AC, 900 W AC, 1500 W AC, 900 W DC 80 PLUS® Platinum, or 750 W AC 80 PLUS Titanium
HOT-SWAP COMPONENTS	Power supplies, fan modules and HDDs/SSDs
NETWORK INTERFACE	4 × 1 GbE (std.) and 1 x IMM; optional 10/40 GbE ML2 or PCIe adapter; Trusted Platform Module built-in
EXPANSION SLOTS	1 – 8 PCIe 3.0 slots (supports up to 2 x 300 W GPUs and up to 1 x ML2) 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) for hypervisor/1 front and 1 back
INTERNAL STORAGE	Up to 100 TB
ENERGY-EFFICIENCY	80 PLUS® Platinum, 80 PLUS Titanium; ENERGY STAR® compliance (model dependent)
SYSTEMS MANAGEMENT	IMM2.1; one IMM dedicated port and one shared; optional remote presence; Predictive Failure Analysis; LEDs; optional next-gen 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

<sup>1</sup> ITIC 2014-2015 Global Server Hardware, Server OS Reliability Survey: <http://public.dhe.ibm.com/common/ssi/ecm/en/xsl03126usen/XSL03126USEN.PDF>.

## OPTIONS

<b>64 GB TruDDR4 Memory (4Rx4, 1.2V) PC4-17000 CL15 2133 MHz LP RDIMM</b>  <b>95Y4812</b>  Add up to 1.5 TB TruDDR4 Memory to accelerate performance	<b>SD Media Adapter with RAIDED VMware ESXi</b>  <b>00FP644</b>  Pre-loaded SD Media Adapter card for bootable hypervisor	<b>960 GB SATA 2.5" MLC G3SS Entry SSD</b>  <b>00FN475</b>  High-performance, dense flash to accelerate applications
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