IBM System x3250 M5

Advanced performance and energy efficiency for small businesses in a single-socket 1U rack server
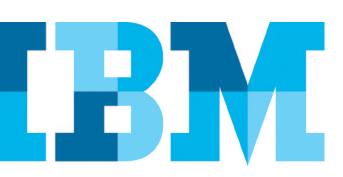
Highlights

- Enhanced performance advantages in a space-saving form factor

- Improved flexibility for faster, simpler expansion as you need it

- Entry-level server needs with IBM reliability, manageability and value

- Groundbreaking system storage density in a 1U entry-level server

- Innovative technology with the latest processors and large memory capacity, in a compact 1U footprint

- Power-efficient and 80 PLUS®-compliant design to help save energy costs

- Affordable price point and total cost of ownership

The new IBM® System x3250 M5 is the most compact rack server in the IBM System x® portfolio. Designed in a single-socket 1U form factor, it supports double the system storage density of its predecessor in the same 22-inch deep chassis—four 3.5-inch hard disk drives (HDDs) or up to eight 2.5-inch SAS/SATA HDDs.[1] Choose the latest Intel processor that best matches your workloads, whether Intel Xeon E3-1200 v3 series, Core i3, or Pentium, including Xeon Data Center Graphics processors. With increasing focus on data security, the included Trusted Platform Module (TPM) can help safely store cryptographic keys.

Expand with simplicity—on your timetable

After activating the IBM Integrated Management Module 2 (IMM2) standard on your server, you can use IBM Feature on Demand (FoD) for several upgrades. For example, using FoD you can easily enable two more Gigabit Ethernet (GbE) ports, in addition to the two standard ports, without opening your system hardware. You can also upgrade the speed and security of the ServeRAID C100 RAID-5 upgrade within the FoD key activation system. Furthermore, by using FoD for upgrades, your two PCIe x8 expansion slots remain free for other IBM certified upgrade options as your business grows.

A big emphasis on efficiency and value

You may decide to use the x3250 M5 for basic infrastructure, file and print, and similar workloads. Or you may add this compact server to your data center for management tasks. The 40°C operating temperature enhancement kit[2] allows the x3250 M5 to work alongside the entire System x rack portfolio, and can reduce overall energy costs for your data center. Whatever the purpose, this server brings IBM quality and reliability to your organization at a smart entry-level price.

Select configurations of the x3250 M5 are part of the IBM Express Portfolio™ designed to meet the needs of small and midsized businesses. Easy to manage, Express models vary by country.

IBM System x3250 M5 at a glance

Form factor/ height	Rack/1U
Processor (max)	Up to one Intel Xeon E3-1200 v3 series processor (quad-core), Core i3 series processor (quad-core), or Pentium series processor (dual-core)
Cache (max)	Up to 8 MB per processor
Memory (max)	Up to 32 GB via four slots (UDIMM)
Media bays	One optional optical bay for 2.5-inch model
Disk bays	Up to four 3.5-inch or eight 2.5-inch HDDs*
RAID support	Integrated IBM ServeRAID C100 RAID-0, -1, (RAID-5 upgrade via IBM Feature on Demand (FoD)), optional hardware RAID-0, -1, -10 or RAID-5, -50 or RAID-6, -60*
Power supply (std/max)	One fixed 300 W or up to two 460 W hot-swap redundant power supplies*
Hot-swap components	Up to four 3.5-inch or eight 2.5-inch HDDs, 460 W hot-swap redundant power supplies
Network interface	Two Gigabit Ethernet ports standard; two additional Gigabit Ethernet ports upgradeable via FoD
Expansion slots	1 PCIe 3.0 x8 slot and 1 PCIe 3.0 x8 (electrical x4) slot
USB ports	2 USB 3.0 front/4 USB 2.0 rear/1 USB 2.0 internal
Maximum internal storage	Up to 24 TB
Energy efficiency	Fixed power supply compliant with 80 PLUS® Bronze/ Redundant power supply compliant with 80 PLUS® Gold
Systems management	Integrated Management Module 2 (IMM2) standard with IPMI 2.0 and Serial over LAN, optional upgrade to remote presence via FoD; IBM Systems Director, ServerGuide
Operating systems supported	Microsoft Windows Server 2012 R2/ Microsoft Windows Server 2012/Microsoft Windows Server 2008 R2, Red Hat Linux, Novell SUSE Linux, VMware
Limited warranty	3-year customer replaceable unit and onsite limited warranty, next business day 9×5; service upgrades available

For more information

To learn more about the IBM System x3250 M5, visit:
ibm.com/systems/x/hardware/rack/x3250m5/index.html or contact your IBM representative or IBM Business Partner.