IBM

IBM System x3100 M5

Business-class reliability, performance, and energy efficiency in a compact tower

Highlights

- Delivers new performance capabilities, powered by the latest Intel processors and energy-saving low-voltage memory

- Safeguards and boosts your growing business with Hard Drive hot-swap capabilities,[1] 40°C operating temperature enhancement kit,[2] four PCIe slots, storage choices, and flexible options

- Offers built-in data protection with up to four RAID levels and reliability you expect from IBM

The new single-socket IBM® System x3100 M5 server provides business-class reliability and performance in a compact tower, optimized for small to medium-sized businesses and distributed environments. Equipped with the latest Intel Xeon E3-1200 v3 processors, USB 3.0 for fast data transfer, 1.35 V low-voltage memory for power savings, 3.5-inch hot-swap SAS hard disk drives (HDDs) for minimized downtime, and four levels of RAID for enhanced data protection, the x3100 M5 brings new levels of performance to your workloads while maximizing energy savings. This efficient tower meets your business needs today and offers upgrade potential when your requirements grow.

Reliability and performance in a flexible, compact tower server

Whether your workloads include basic infrastructure, web server, or file and print, the x3100 M5 delivers. Choose your storage preference from models with four 3.5-inch simple-swap HDD bays, or get the hot-swap versatility of eight 2.5-inch bays or four 3.5-inch hot-swap bays. Standard features include capacity for up to 32 GB of memory, two Gigabit Ethernet ports, and two front-mounted fast USB 3.0 ports, plus multiple internal and external USB 2.0 connections. Business-class reliability features—such as standard RAID, basic light path diagnostics, and optional redundant power supplies and fans—protect your data and facilitate outstanding uptime for your business at great value. And no matter the model, every configuration incorporates IBM quality.

Select configurations of the x3100 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 x3100 M5 at a glance

Form factor/height	4U/5U with tower-to-rack kit
Processor (max)	Up to one Intel Xeon E3-1200 v3 series (quad-core), i3 series (dual-core), Pentium series (dual-core), or Celeron processor (dual-core)
Cache (max)	UP to 8 MB per processor (model dependent)
Memory (max)	Up to 32 GB via four slots (UDIMM)
Media bays	Up to two 5.25-inch half-high bays, support for DVD-ROM or multiburner, half-high SATA DVD-ROM standard in standard models
Disk bays (total)	Up to four 3.5-inch or eight 2.5-inch hard disk drives (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)	1/2 300 W or 350 W fixed (4U models); or 430 W 80 PLUS® Silver certified redundant power supply unit (5U models)
Hot-swap components	Up to four 3.5-inch or eight 2.5-inch HDDs, 460 W hot-swap redundant power supplies
Network interface	2 x 1 Gigabit Ethernet
Expansion slots	Up to four PCIe (2 PCIe 3.0, 2 PCIe 2.0) slots (x16, x8, x8, x4 physical; x8, x8, x4, x1 electrical)
USB ports	2 front (USB 3.0)/4 back (USB 2.0)/2 internal
Maximum internal storage	Up to 16 TB
Energy efficiency	Fixed power supply compliant with 80 PLUS Bronze, redundant power supply compliant with 80 PLUS Silver, 40° C operating temperature for wide ambient range
Systems management	Integrated Management Module 2 (IMM2) standard with IMPI 2.0 and Serial over LAN, optional upgrade to remote presence via IBM Feature on Demand, IBM System Director
Operating systems supported	Microsoft Windows Server 2012/2008/R2, SBS 2011, Red Hat Enterprise Linux, SUSE Linux, VMware (subject to availability)
Limited warranty	1-year customer replaceable unit and on-site limited warranty, next business day 9x5, service upgrades available

For more information

To learn more about the IBM System x3100 M5, visit:

ibm.com/systems/x/hardware/tower/x3100m5/index.html

or contact your IBM representative or IBM Business Partner.