IBM DDR3 Memory for System x

Highlights

- DDR3 memory for the Intel Xeon Processor E5-2600 v2, Intel  sor E5-2600, Intel Xeon Processor E5-2400,v2, Intel Xeon Processor E5-2400, Intel Xeon Processor E5-4600 v2, Intel Xeon Processor E5-4600, Intel Xeon Processor 5600
- DDR3 memory for the Intel Xeon Processor E7-8800/4800 v2 as well as the Intel Xeon Processor E7-8800/4800/2800 series enables increased system performance and increased memory capacities
- Flexibility in memory DIMM types (RDIMM, UDIMM, LRDIMM, HyperCloud) with density (up to 64 GB), and ranks (single, dual, quad)
- IBM memory uses the highest quality components sourced from Tier 1 DRAM suppliers. Only memory that meets our strict requirements is selected
- Compatibility tested and tuned on every IBM® System x® and BladeCenter® servers and IBM Flex System® compute nodes server to help maximize performance and reliability
- IBM quality control/management in place with DRAM suppliers
- Automatically assumes the IBM system warranty
- Provides easy IBM service and support worldwide
- IBM offers a complete DDR3 Memory Portfolio

Customers continue to look for ways to increase their return on their IT investments and continue to drive system performance. This includes delivering more virtual machines as well as increased performance from the DB-based applications. Virtualization demands maximum memory to run the most-efficient virtual environments, and Big Data, Analytics, and SAP Hana need maximum memory capacity and bandwidth. Customers need to deliver increased performance for their workloads.

IBM offers a complete DDR3 memory portfolio for IBM System x and BladeCenter servers and IBM Flex System compute nodes that will help improve the performance of your workloads. Many applications will see immediate performance benefits with more memory. The IBM DDR3 portfolio includes RDIMMs with advanced error correction for reliability, performance and maximum memory capacity. This includes both 1.5 V and 1.35 V offerings to maximize workload performance and energy efficiency. IBM also offers 1.5 V and 1.35 V UDIMMs with basic error correction. For the Intel Xeon Processor E5-2600 v2 , Samsung's Green DDR3 32 GB LRDIMMs are supported at 3 DIMMs Per Channel (DPC) configurations for up to 768 GB on select System x servers. In addition, the Samsung Green DDR3 32 GB

Specifications	1.5 V RDIMM	1.35 V RDIMM	1.5 V LRDIMM	1.5 V UDIMM	1.35 V UDIMM	1.35 V LRDIMM	1.35 V HyperCloud
Capacity	4 GB, 8 GB, 16 GB	4 GB, 8 GB, 16 GB	32 GB	4 GB, 8 GB	2 GB, 4 GB, 8 GB	32 GB, 64 GB	32 GB
Physical Rank x I/O	Single, Dual Both x4 and x8	Single, Dual Both x4 and x8	Quad Rank x4	Single, Dual x8	Single, Dual x8	Quad Rank, Eight Rank x4	Quad Rank x4
Maximum Speed (System Config Based)	1600 MHZ 1866 MHz	1600 MHz	1866 MHz	1600 MHz	1333 MHz, 1600 MHz	1333 MHz,1600 MHz	1333 MHz
Basic ECC	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Address Error Detection	Yes	Yes	Yes	No	No	Yes	Yes
Chipkill Support	Yes	Yes	Yes	No	No	Yes	Yes

IBM x86 products are now products of Lenovo in the U.S. and other countries. Learn more at **ibm.com**/lenovo-acquisition

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