

# TruDDR4 Memory

TruDDR4 Memory delivers performance and reliability for all your workloads



Memory reliability, performance and quality are even more critical today as customers utilize greater memory capacities for their Big Data Analytics, Cloud computing, Virtualization, Database and High Performance Computing workloads. offers the TruDDR4 Memory portfolio for System x servers and Flex System compute nodes that will help improve the performance of all workloads as many applications see immediate performance benefits with more memory. The TruDDR4 Memory portfolio includes RDIMMs and LRDIMMs with advanced error correction for reliability, 2133MHz performance and maximum memory capacity.

## Increased performance

TruDDR4 Memory DIMMs have a unique signature programmed into them so your system can verify that you have TruDDR4 Memory installed in your system. Since the memory will be authenticated, memory stretch goals are enabled only

when TruDDR4 Memory DIMMs are detected. For example—two RDIMMs per channel at 2133 MHz supported only on TruDDR4 RDIMMs installed in System x servers and Flex System compute nodes versus the industry standard of two RDIMMs per channel at 1866 MHz.

## Quality and reliability

We use the highest quality industry-standard memory components sourced from Tier 1 DRAM suppliers. Only memory that meets these strict requirements are selected for TruDDR4 Memory. It is then compatibility tested and tuned on every System x server and Flex System compute node to maximize reliability. In addition, TruDDR4 Memory delivers increased reliability as the memory is authenticated which verifies that qualification has been performed.



## Why System x

System x 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. System x also offers a full range of networking, storage, software and solutions, and comprehensive services supporting business needs throughout the IT lifecycle.

## For more information

To learn more about the TruDDR4 Memory, contact your Business Partner or visit [lenovo.com/thinkserver](http://lenovo.com/thinkserver)

## Specifications

<b>DIMM type</b>	1.2 V RDIMM	1.2 V LRDIMM
<b>Capacity</b>	4 GB, 8 GB, 16 GB	32 GB, 64 GB
<b>Physical rank x I/O</b>	Single, dual both x4 and x8	Quad-rank x4
<b>Maximum speed (System Config Based)</b>	2133 MHZ	2133 MHZ
<b>Basic ECC</b>	Yes	Yes
<b>Address Error Detection</b>	Yes	Yes
<b>Chipkill support</b>	Yes	Yes

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