



SPECcpu Benchmark Result for System x3950 X6

Performance Benchmark Result (withdrawn product)

Lenovo System x3950 X6 delivers world-record eight-processor rack server performance for compute-intensive applications.

February 7, 2017 ... Lenovo has published two top SPEC CPU2006 benchmark scores for the Lenovo System x3950 X6 8U rack server, using eight high-performance Intel Xeon Processor E7-8891 v4 with 10 cores.

The x3950 X6 achieved two leadership SPECint_base2006 and SPECfp_base2006 scores using eight Intel Xeon E7-8891 v4 processors (2.8 GHz, 60 MB L3 cache per processor, 8 processors with a total of 80 cores, 10 cores per processor (160 total threads), 1024 GB of TruDDR4 memory, and SUSE Linux Enterprise Server 12 SP1 (x86_64).



The SPECint_base2006 and SPECfp_base2006 scores are ideal for measuring single-threaded compute-intensive applications, such as High Frequency Trading (HFT) and other financial industry workloads.

The scores in the following table are the top SPEC CPU2006 results published (SPEC CPU, SPECint, SPECfp) for the System x3950 X6 with eight E7-8891 v4 processors.

Table 1. SPEC CPU2006 result

SPEC CPU2006 Benchmark	Intel Xeon Processor E7-8891 v4 – 2.8GHz (10 cores)
SPECint_base2006	71.1
SPECfp_base2006	129

The System x3950 X6 is an 8U, 8-socket rack server that delivers maximum performance and availability for business-critical applications and databases.

With system support for up to 192 processor cores and 12TB of system memory, the x3950 X6 is known not only for its leadership performance, but also for its ability to scale in order to power traditional databases as well as new in-memory database and analytics solutions. Now customers can achieve leadership solution performance by virtualizing high performance databases and applications on the same server.

X6 platforms are the sixth generation of Enterprise X Architecture (EXA) technology and represent more than 15 years of investment and innovation to exceed industry standards.

Results referenced are current as of February 7, 2017. To view all SPECcpu2006 results, visit <http://www.spec.org/cpu2006/results/>.

Related product families

Product families related to this document are the following:

- [8-Socket Rack Servers](#)
- [Mission Critical Servers](#)
- [SPECcpu Benchmark Results](#)

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