

Press Release, For Immediate Release

**Energy Saving Server “NEC ECO CENTER”
Establishes Industry Leading Energy Efficiency
With #1 “SPECpower_ssj(TM) 2008 Benchmark” in 2p Servers**

(Hong Kong – November 18, 2008) – NEC Hong Kong Limited announced today that its energy saving server “NEC ECO CENTER” has demonstrated industry leading energy efficiency with the #1 overall metric in the “SPECpower_ssj(TM) 2008 Benchmark” (*1) for 2 processor servers (*2). With a SPECpower_ssj(TM) 2008 result of 1,010 overall ssj_ops/watt, the NEC ECO CENTER outperformed the same class server in terms of ssj_ops/watt (*3), which formerly lead the class with a 930 overall ssj_ops/watt. The NEC ECO CENTER’s performance also marks the first time that a 2 processor server has achieved more than 1,000 overall ssj_ops/watt.





The “SPECpower_ssj(TM) 2008 Benchmark” is the first standard industry measure for comparing energy efficiency among server products (*4). The benchmark is determined by measuring server system performance versus server energy use.

This record breaking performance demonstrates NEC’s latest energy-saving server design technologies, which are made possible through such components as Intel’s latest energy-saving processor “Quad-Core Intel(R) Xeon(R) processor L5420” (*5), and a highly efficient power supply. NEC ECO CENTER uses cutting edge, energy saving components including CPU, chipset, and memory. It enables efficient operations by managing appropriate workloads with virtualization technology and virtual server consolidation. NEC’s integrated virtualization and platform management software, “SigmaSystemCenter,” provides comprehensive support. With NEC ECO CENTER, we deliver a platform with both high availability and energy savings.

The benchmark result summary and test system are as follows.

Benchmark Results

Performance to Power Ratio	1,010 overall ssj_ops/watt
----------------------------	----------------------------

System Under Test (SUT)

Hardware	ECO CENTER
CPU	Quad-Core Intel Xeon L5420 (2.5GHz / 2 x 6MB L2cache)
Number of CPU	2
Number of Cores	8
Number of Processor Threads	8
Amount of Memory	8GB
Operating System	Microsoft Windows Server 2003 R2 Enterprise x64 Edition Service Pack 2



- (*1) SPEC and the benchmark name SPECpower_ssj are trademarks of the Standard Performance Evaluation Corporation.
- (*2) Benchmark results stated above reflect results published on <http://www.spec.org> as of July 31, 2008. Please refer to the following website for the latest SPECpower_ssj(TM) 2008 Benchmark results: http://www.spec.org/power_ssj2008.
- (*3) Source: the Standard Performance Evaluation Corporation (SPEC)
NEC ECO CENTER, 1,010 overall ssj_ops/watt, Publication: July 31, 2008.
http://www.spec.org/power_ssj2008/results/res2008q3/power_ssj2008-20080714-00064.html
- (*4) The measure of power consumption when running a simulated Online Transaction Processing (OLTP) test with a JAVA server application, decreasing the workload from 100% to 0% (idle) by 10% decrements, and calculating the performance to power ratio which totals the 11 sets of throughput performance (number of transactions to be processed per second) divided by the total power consumption.
- (*5) Intel, Intel logo, Intel Inside, Intel Inside logo, Intel Core, Core Inside, Xeon, and Xeon Inside are the trademarks of Intel Corporation in the United States and other locations.

Microsoft, Windows and Windows Server are the trademarks of Microsoft Corporation in the United States and other locations.

For enquiry, please call 2795-5333 or visit www.nec.com.hk

About NEC Hong Kong Limited

NEC has a long and eventful history in Hong Kong. NEC Hong Kong Limited was established in 1984 and has expanded rapidly its activities to meet the growing demands for our customers in Hong Kong, Macau and China. From the manufacturing to the dynamic technological era, NEC Hong Kong has been providing advanced computer and communications products, display and visual appliance, mobile telecommunications devices, and information & communication technology solutions to foster the market development. We are now a leading provider of business solutions and consulting services, dedicated to meeting the specialized needs of our customers in the fields of business network, security, banking and finance, and outsourcing services.

