November 8, 2012

New Intel® Itanium® Processor 9500 Delivers Breakthrough Capabilities for Mission-Critical Computing

Based on New Microarchitecture, Intel® Itanium® Processor, Doubles Performance and Boosts Resiliency

NEWS HIGHLIGHTS

- The Intel® Itanium® processor 9500 delivers unprecedented availability, error resiliency and performance increase over the previous generation.
- With twice the number of cores on a new architecture, the Intel Itanium processor 9500 series will provide up to 2.4 times performance scaling[1] and 33 percent faster I/O speed over the previous generation, with new capabilities such as the Intel® Instruction Replay Technology.
- Future generations of Intel Itanium processors will adopt an innovative "Modular Development Model" that enables deeper commonality between Intel Itanium and the Intel® Xeon® processor E7 family, from shared silicon design elements to full-socket compatibility. This will provide a more sustainable path for Itanium development and greater design flexibility for Intel's partners.

SANTA CLARA, Calif., Nov. 8, 2012 – In an era of unprecedented growth in data usage, businesses require powerful computing solutions that can deliver scalable and resilient performance to run IT's mission-critical applications. The new Intel® Itanium® processor 9500 series is more than twice as powerful as the previous generation, making it ideal for today's most demanding workloads, including business analytics, database, and large-scale enterprise resource planning (ERP) applications. Systems based on Intel's Itanium processors run in more than three-quarters of the World's Global 100 companies across industries such as aerospace, energy, life sciences and telecommunications. With the Intel Itanium processor 9500 series, these industries will benefit from a leap in performance and an increase in world-class reliability, availability and serviceability (RAS) capabilities.

"In a world where businesses are increasingly dependent on IT for their competitive advantage, more and more business applications are rightfully called "mission critical"; they must be always available, highly responsive and extremely reliable. It's for precisely these computing workloads that we've developed the Intel Itanium 9500 processor," said Diane Bryant, vice president and general manager of Intel's Datacenter and Connected Systems Group. "Built on a new microarchitecture and providing breakthrough performance, the Intel Itanium 9500 processor family signals Intel's ongoing commitment to deliver unparalleled reliability, availability and scalability to meet the critical application demands across all industries."

Enterprise Performance with World-Class Availability

Containing 3.1 billion transistors, the Intel Itanium processor 9500 series is Intel's most sophisticated general purpose processors to date. It supports up to twice as many cores (8 instead of 4) than the previous-generation processor, packs up to 54 MB of on-die memory, and enables up to 2 TB of low voltage DIMMs in a four-socket configuration. The speed of the processor increased 40 percent over the previous generation in lower power configurations. The new frequencies range from 1.73 GHz and a power level of 130 watts, to 2.53 GHz at a power level of 170 watts.

Delivering the highest levels of Intel Itanium performance, the new processors enable highly scalable deployments with world-class availability for data-intensive applications where downtime is not an option. These include ERP, supply chain

management and customer relationship management (CRM) software.

Modular Development Model Provides More Flexibility

In 2010, Intel introduced its common platform strategy that allows Intel Itanium and Intel® Xeon® processors to utilize common platform ingredients including chipsets, interconnects and memory. This strategy gives Intel the ability to cascade the strength of Intel Itanium RAS features to benefit the Intel Xeon processor E7 family, and allows Intel Itanium to further extract the efficiencies and value of higher volume economics. For the next-generation Intel Itanium product family, code-named "Kittson," Intel will employ an innovative model for Intel Itanium and Intel Xeon development called "Modular Development Model." The model will extend the common platform strategy by sharing silicon-level design elements and socket compatibility. The result for Intel is an even more sustainable path to bring future Itanium processors to market. In addition, OEMs will be able to develop one single motherboard platform for both architectures.

Industry Support

Intel Itanium processors continue to maintain strong industry support among systems makers such as Bull*, Hitachi*, HP*, Inspur* and NEC*. Enterprise applications are widely available from multiple vendors, such as, Oracle*, SAP*, SAS*, Sybase* and Temenos*, among other vendors that underscore the ISV community's efforts to ensure the success of the Intel Itanium mission-critical ecosystem.

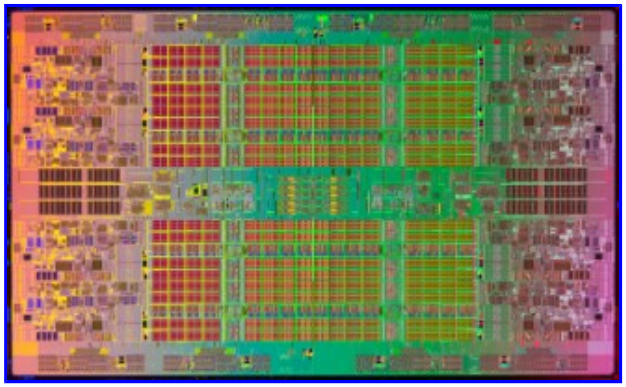
"A mission-critical IT infrastructure with resiliency, scalability and high availability is critical to the success of enterprises," said Ric Lewis, vice president and interim general manager, Business Critical Systems, HP. "The addition of the Intel® Itanium® processor 9500 series to our newly enhanced HP Integrity and HP-UX portfolio provides breakthrough performance, increased productivity and delivers on HP's commitment to provide our customers with investment protection."

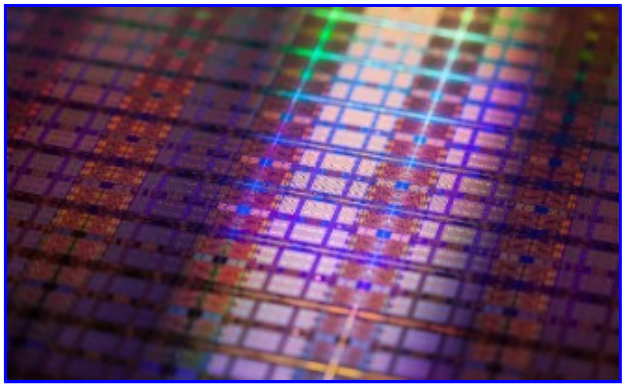
"NEC has been working with Intel more than 15 years to build enterprise servers based on Intel Itanium processors," said Kazuaki Iwamoto, vice president and senior general manager of IT hardware operations unit, NEC Corporation. "We are pleased to provide our customers with the new enterprise servers based on Intel Itanium processor 9500 series for their highly scalable and mission critical systems."

Pricing and Availability

The Intel Itanium processor 9500 series is available now and is priced from $1,350 to $4,650 in quantities of 1,000 units.

- Product Brief: Intel® Itanium® processor 9500 series (PDF 1.2MB)
- Presentation: Intel® Itanium® processor 9500 series (PDF 4MB)





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Additional Images (ZIP 12.4MB)

About Intel
Intel (NASDAQ: INTC) is a world leader in computing innovation. The company designs and builds the essential technologies that serve as the foundation for the world's computing devices. Additional information about Intel is available at newsroom.intel.com and blogs.intel.com.

1 Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products.

Configuration: Intel labs testing comparing Intel Itanium processor 9560 vs. Intel Itanium processor 9350, resulting in 2.44x performance scaling. For more information, go to http://www.intel.com/performance.

2 Intel® HT Technology available on select Intel® processors. Requires an Intel® HT Technology-enabled system. Consult your system manufacturer. Performance will vary depending on the specific hardware and software used. For more information including details on which processors support HT Technology, visit http://www.intel.com/info/hyperthreading.

Relative performance is calculated by assigning a baseline value of 1.0 to one benchmark result, and then dividing the actual benchmark result for the baseline platform into each of the specific benchmark results of each of the other platforms, and assigning them a relative performance number that correlates with the performance improvements reported.

Performance tests and ratings are measured using specific computer systems and/or components and reflect the approximate performance of Intel products as

measured by those tests. Any difference in system hardware or software design or configuration may affect actual performance. Buyers should consult other sources of information to evaluate the performance of systems or components they are considering purchasing. For more information on performance tests and on the performance of Intel products, visit Intel Performance Benchmark Limitations.