September 23, 2009

Intel Unveils Fastest Laptop Chips Ever with the New Intel Core(TM) i7 Mobile Processor

SAN FRANCISCO--(BUSINESS WIRE)-- Intel Corporation introduced its revolutionary Intel(R) Core(TM) i7 Mobile Processor and Intel(R) Core(TM) i7 Mobile Processor Extreme Edition today, bringing Intel's award-winning and super-fast Nehalem microarchitecture to the mobile market.

These processors in addition to the new Intel(R) PM55 Express Chipset, provide the best laptop experience for intense gaming, digital media, photos, music, business applications and other multi-threaded software that hungers for faster processing speed. The chips also boost overall performance when using several of these applications simultaneously.

"With intelligent features like Intel(R) Turbo Boost Technology[1], Intel(R) Hyper-Threading Technology[2] and a host of others, Intel has revolutionized the laptop PC processor, delivering performance when you need it, energy efficiency when you don't," said Dadi Perlmutter, executive vice president and general manager, Intel Architecture Group. "For the first time, mobile users can choose a laptop that delivers Internet-server like speed, right in their laps for the most demanding tasks, from intense gaming to digital video editing and social media applications."

Formerly codenamed "Clarksfield," Intel(R) Core(TM) i7 mobile processors offer Intel(R) Turbo Boost Technology[1], which can accelerate the processor clock speed up to 75 percent to match workloads, as well as better performance on highly threaded applications with the power of Intel(R) Hyper-Threading Technology[2]. The new Intel(R) Core(TM) i7 mobile processors also include two-channel DDR3 1333 MHz memory support and full 1 x16 or 2 x8 PCI Express* 2.0 graphics. Whether users are editing a video, composing a song, playing a video game or updating their Facebook* status with the latest YouTube* video craze, Intel(R) Core i7 mobile processors adapt to provide the right processing power for the task, with more performance and flexibility to match their on-the-go needs.

Laptops with Intel(R) Core i7 mobile processor Extreme Edition support Intel(R) Extreme Memory Profiles (Intel(R) XMP) and Intel(R) Extreme Tuning Utility, the ultimate tuning utility making it possible to overclock[3] and fine tune your laptop for incredible performance and battery life optimizations. In addition, the Intel(R) PM55 Express Chipset enables high-end workstation and gaming laptops to support features such as Intel(R) Matrix Storage Technology, Intel(R) High-Definition Audio, and increased I/O interfaces.

Pricing and Availability

Leading OEMs including Asus, Dell, HP and Toshiba began shipping laptops today based on

Intel(R) Core(TM) i7 mobile processors, with additional systems from OEMs available in the coming months. 1ku pricing for the Intel(R) Core(TM) i7-920XM, Intel(R) Core(TM) i7-820QM and Intel(R) Core(TM) i7-720QM mobile processors is $1,054, $546 and $364, respectively.

About Intel

Intel (NASDAQ: INTC), the world leader in silicon innovation, develops technologies, products and initiatives to continually advance how people work and live. Additional information about Intel is available at www.intel.com/pressroom and blogs.intel.com.

[1]Intel(R) Turbo Boost technology (Intel(R) TBT) requires a PC with a processor with Intel TBT capability. Intel TBT performance varies depending on hardware, software and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel TBT. See www.intel.com/technology/turboboost for more information.

[2]Intel(R) Hyper-Threading Technology requires a computer system with a processor supporting HT Technology and an HT Technology-enabled chipset, BIOS and operating system. Performance will vary depending on the specific hardware and software you use. For more information, including details on which processors support HT Technology, see www.intel.com/info/hyperthreading.

[3]"WARNING: Altering clock frequency and/or voltage may: (i) reduce system stability and useful life of the system and processor; (ii) cause the processor and other system components to fail; (iii) cause reductions in system performance; (iv) cause additional heat or other damage; and (v) affect system data integrity. Intel has not tested, and does not warranty, the operation of the processor beyond its specifications. Intel assumes no responsibility that the processor, including if used with altered clock frequencies and/or voltages, will be fit for any particular purpose."

[*]Other names and brands may be claimed as the property of their respective owners. SPEC, SPECint, SPECfp, SPECrate, SPECweb, SPECjbb are trademarks of the Standard Performance Evaluation Corporation. See www.spec.org for more information on the benchmarks.

*Intel, Intel Core and the Intel logo are trademarks of Intel Corporation in the U.S. and other countries.

*Other names and brands may be claimed as the property of others.

Source: Intel Corporation