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News Fact Sheet

Intel at the 2010 International Consumer Electronics Show

Jan. 7, 2010 – At the 2010 International Consumer Electronic Show (CES) today, Intel Corporation unveiled the all new 2010 Intel® Core™ family of processors, delivering unprecedented integration and smart performance for laptops, desktops and embedded devices. Intel introduced more than 25 processors, wireless adapters and chipsets, including new Intel® Core™ i7, i5 and i3 processors, Intel® 5 Series Chipsets, and Intel® Centrino® Wi-Fi and WiMAX adapters that include new Intel® My WiFi features. More than 400 laptop and desktop PC designs are expected from computer makers based on these products, with another 200 designs expected for embedded devices.

The Intel® Centrino® brand is synonymous with wireless innovation and now represents Intel's wireless products. Three new Intel® Centrino® Wireless adapters introduced at CES feature advanced 802.11n multi-stream capabilities and dual-band support for WiFi, offering users up to 8x greater speed[1], consistent coverage and reliable connectivity while consuming minimal power. WiMAX module solutions introduced provide integrated global WiMAX support for 2.3, 2.5 and 3.5 GHz worldwide frequency bands to further support global scaling and cost-effective device delivery.

As broadband and TV broadcast networks converge, Intel is developing full system-on-chip (SoC) Intel® CE media processors that are at the center of innovation for new connected TVs and CE devices. Intel media processors provide excellent performance for advanced user interfaces and software development frameworks such as Adobe Flash*, Widget Channel and TV Widgets and other applications like online gaming to complement traditional TV viewing.

Additionally, Intel highlighted the latest range of mobile Internet devices and handhelds based on the Intel® Atom™ processor to showcase the breadth of form factors, applications and usage cases made possible by Intel Architecture.

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Intel® Centrino® Wireless: Smart Technology on the Go

The Intel Centrino 6000 series adapters are Intel's latest 802.11n WiFi and WiMAX products designed and validated with Intel's latest CPU and chipset offering. The following products were introduced at CES:

- **Intel® Centrino® Advanced-N + WiMAX 6250** – The embedded WiMAX/WiFi module for laptops is a technological marvel, integrating all three WiMAX frequency bands (2.3GHz, 2.5GHz, and 3.5GHz) as well as both WiFi bands (2.4 GHz and 5 GHz) in a single converged PCIe Half Mini Card adapter. The module covers all TDD WiMAX spectrum worldwide, making it the first globally capable WiMAX adapter with 802.11n WiFi capabilities. With advanced MIMO antenna technology that enhances indoor WiMAX performance and immunity to noise, the adapter is able to deliver up to 20Mbps on the go to support bandwidth-intensive and real-time applications such as streaming video.

- **Intel® Centrino® Ultimate-N 6300** – Intel's second-generation 450 Mbps 802.11abgn WiFi adapter offers several premium product features – 3 receive and 3 transmit antennas, 3 separate spatial streams and support for both 2.4GHz and 5GHz. These features provide reliable and predictable connectivity, consistent coverage, faster uploads and downloads providing up to 450Mbps of bandwidth, plus reduced interference from other consumer electronics devices that typically operate in 2.4GHz spectrum. The Intel® Centrino® Ultimate-N 6300 also features enterprise-class manageability via wireless support for Intel® Active Management Technology (AMT) v6.0. In addition, its lower power consumption coupled with a PCIe Half Mini Card form factor helps enable thinner and lighter laptop designs. The innovative Intel® My WiFi doubles the function of your WiFi adapter by simultaneously connecting to your wireless router, as well as making your laptop a "virtual hotspot," allowing you to directly connect your WiFi devices and print, share, show and sync wirelessly.

- **Intel® Centrino® Advanced-N 6200** – The 802.11abgn WLAN adapter provides up to 300Mbps of bandwidth, a 5x increase as compared to legacy 802.11a/g solutions.[1] Like the Ultimate-N 6300 adapter, it also supports dual band operation (2.4GHz and 5GHz), AMT and Intel My WiFi Technology.

- **Intel® Connect with Centrino® --** Intel enhanced its popular Intel® Connect with Centrino® certification program by adding a new tier called Connect with Centrino Ultimate-N. Under the program, wireless routers (access points) are thoroughly tested to meet Intel's rigorous quality standards. The new Ultimate-N tier targets high performance 802.11n multi-stream wireless routers, providing customers with a list of devices that have been tested and verified. Intel does the homework, consumers get the benefits.

- **Intel® My WiFi Technology --** Introduced in the first quarter of 2009 as the industry's first WiFi Personal Area Network (PAN) technology, Intel® My WiFi doubles the function of your WiFi adapter by simultaneously connecting to your wireless router, as well as making your laptop a "virtual hotspot," allowing up to eight of your personal WiFi CERTIFIED™ devices to connect directly to your laptop. Intel® My WiFi Technology will soon offer simple file transfer, a feature allowing users to easily transfer files directly from one laptop to the other

without requiring a wireless router. WiFi's inherent speed and range advantages allows for rapid file transfers, even when the user is on the go.

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Connected CE: Digital Entertainment to Complement Traditional TV

- **Intel® Atom™ processor CE4100** – Intel's newest consumer electronics SoC (formerly codenamed "Sodaville") combines a media processor and audio/video graphics components to advance connected CE devices. It is based on 45nm process technology and the Intel® Atom processor and built on the popular Intel® architecture. It supports both Internet and broadcast applications on one chip and has the processing power required for graphics-intense media applications. The chip also meets all requirements for connected CE devices such as IPTV set-tops, digital TVs and media players.

- **New Generation of Media Set Top Boxes Powered by Intel –** Orange* has developed a yet-to-be introduced media set top box that provides the newest features and 3-D interface for an amazing entertainment experience. The Orange Box concept combines the best of linear and on-demand TV (live TV, PVR, catch-up and VOD) with best of Internet services and personal content. The Orange Box* is powered by the Intel Atom CE4100 and has the processing power and audio/video components necessary to run rich media applications such as 3-D graphics and advanced user interfaces. The system was demonstrated in Paul Otellini's CES keynote to show how Intel CE media processors will help transform how people enjoy 3-D movies and TV in their homes.

- **Digital Video Broadcasting-Terrestrial Player from Conceptronic –** Connecting people and content on the big screen through TV Widgets, the new YuiXX Internet media player* powered by the Intel® media processor CE3100 is displayed in the Intel booth and supports a variety of interactive content such as news, sports, finance, traffic and weather updates, shopping sites, video on demand and the ability to share personal content. Product availability is expected in the first quarter of 2010.

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Handheld Devices and the Intel® Atom processor

- **Intel Atom Processor Innovation –** At CES 2010 customers announced a range of new mobile Internet devices helping to further showcase the breadth of form factors, applications and usage cases made possible by Intel Architecture. In the pocketable form factor space, UMID* announced the mbook bz – the second generation in their mbook product line with an integrated webcam for video conferencing, 16GB flash storage, and support for micro SD, VGA out, and standard USB ports. Yukyung* revealed the Viliv N5, one of the smallest clamshell MIDs and upgraded the Viliv S5 to support Windows* 7. Fujitsu* announced the Lifebook UH900, a multi-touch Windows* 7-based mobile device. Innovation in the tablet form factor is also on display with the sleek Hanvon* multi-touch tablet, the Archos* A9 media tablet, the Viliv* X70EX, and the Panasonic* Toughbook* CF-H1 Mobile Clinical Assistant.

- **Intel Moorestown Platform Enables Entry into Smart Phones –** The Intel Moorestown platform, which comprises of a System on Chip (SoC), codenamed "Lincroft," and an I/O

Platform Controller Hub (I/O-PCH), codenamed "Langwell," continues to make solid progress and is scheduled for launch in first half of the year with customer devices expected to hit the market beginning in the second half. At CES, Intel showcased a number of designs from system manufacturers including Aava Mobile*, EB*, Inventec*, Open Peak*, and Wistron* to highlight the performance and compatibility that the Moorestown platform enables.

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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.

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[1] *Up to 2x greater range enabled by 3x3 802.11n implementations with 3 spatial streams. Up to 8x Bandwidth increase or up to 450 Mbps of Bandwidth based on the theoretical maximum bandwidth enabled by 802.11n implementations with 3 spatial streams in combination with a 3 spatial stream Access Point. Up to 5x Bandwidth increase or up to 300 Mbps of Bandwidth based on the theoretical maximum bandwidth enabled by 2x2 802.11n implementations with 2 transmit spatial stream and 2 receive spatial stream. Actual wireless throughput and/or range will vary depending on your specific operating system, hardware, and software configurations. Check with your PC and access point manufacturer for details.*