# News Fact Sheet

*Note to Editors: Multimedia is available at:*
www.intel.com/pressroom/kits/embedded/index_energy.htm

## Intel Debuts Reference Design for Home Energy Management System

WEST COAST GREEN, San Francisco, Sept. 30, 2010 – In a keynote today, Intel Corporation unveiled the Intel® Home Energy Management Reference Design based on the Intel® Atom™ processor. Intel's new reference design will enable device manufacturers and utilities to offer smarter energy management devices for the home.

**"Connected, Intelligent, Green Transformations in Computing" by**
**Doug Davis, vice president, general manager, Intel Embedded and Communications Group**
The Intel® Home Energy Management Reference Design will serve as a recipe for original equipment manufacturers to develop platforms that will help consumers make better energy choices. Industry momentum is already underway from GridNet* and CAP Gemini*, which plan to use solutions based on Intel's reference design in trials with their utility customers around the world.

- **Validated Platform** – The Intel® Atom™ processor Z600 series and Intel Platform Controller Hub MP20 meet the needs of small form factor systems that require low power, enabling developers to reduce development time and costs for home energy management systems.

- **Interactive Universal Control Panel** – A control panel based on Intel's new reference design will provide users with an easy touch-screen interface that helps them better manage their home's energy usage. The universal control panel would also allow customers to download applications including home security, weather and business directories.

- **Wireless Support** – Home energy management systems based on the reference design will also support WiFi and ZigBee* wireless connectivity, enabling wireless control for devices throughout the home.

- **Power Management and Performance** – The reference design offers power-saving management features including new ultra-low power states and integrated support for a back-up battery. An infrared motion sensor and software will power up the device when needed, rather than at predefined intervals. Intel® Burst Performance Technology allows the processor to increase performance on-demand. Systems based on the reference design will also include a DDR2 memory controller that supports up to 2 GB of memory.

- **Bundled Software Stack** – The reference design includes a software stack with applications for customers and an open software API for developers.

- **Pricing and Availability** – The reference design consists of three main components: hardware platform, software stack, enclosure design and supporting documentation. The Intel Home Energy Management Reference Design will be available in early 2011 with a royalty-free license.

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