Intel Atom power management companion chip adopted in computer-on-module

ECN Europe

Dialog Semiconductor [1] has announced its companion IC for the Intel Atom processor E6xx series, DA6011, has been adopted by Taiwan based ADLINK Technology for its mini size COM Express type 10 module, nanoX-TC. Measuring just 84×55 mm the nanoX-TC is among the smallest computer-on-modules available.

The nanoX-TC is a rugged, robust PC module capable of enduring up to 15G peak to peak shocks and 1.88 Grms vibration. It uses the full processing capabilities of the Intel Atom processor E6xx and consumes just 5W at 5V (3W idle), making it ideally suited to a wide range of industrial applications.

Dialog's DA6011 integrates both power management and clock driver functionality for the Intel Atom processor E6xx; it was designed as part of Dialog's Processor Partner Programme. To maximise efficiency, the DA6011 precisely regulates power and provides the clock source to core system components: Intel Atom processor E6xx, flash memory, RAM and I/O hubs.

In addition to this, Dialog has implemented a new feature so that the DA6011´s latest version can use AT & ATX power supplies, and is able to continuously support Intel's dynamic voltage control of the core and graphic processor.

Dialog Semiconductor will be demonstrating the DA6011 companion power management IC at the three-day Intel Developer Forum (IDF), San Francisco beginning 13th September.

SOURCE [2]

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http://www.ecnmag.com/blogs/2011/08/intel-atom-power-management-companion-chip-adopted-computer-module

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