

عنوان مقاله:

Comparing Sandy Bridge and Ivy Bridge processors

محل انتشار:

سومین کنفرانس ملی فناوری در مهندسی برق و کامپیوتر (سال: 1397)

تعداد صفحات اصل مقاله: 8

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خلاصه مقاله:

Tick-Tock is a model introduced by Intel ® Corporation in 2006 to show the improvement of its chip development. Every tick is the die-shrink of the current microarchitecture, while every tock is the new microarchitecture. During the 2nd quarter of 2012, Ivy Bridge Microarchitecture was introduced as the 22-nm die shrink (the tick) of the Sandy Bridge microarchitecture (the tock). Ivy Bridge-based microprocessors are multi- core processor which place emphasis on minimizing thermal dissipation of processor and providing architecture innovation rather than raw processor speed The difference between them lies in the number of the core in a processor, the clock frequency, the Thermal Design Power (TDP), the cache memory size and architectural innovation [1]This Document Contain the Basic information about Intel s two processor i.e. Sandy bridge & Ivy bridge & its comparison based on some factors .i.e. arrival in Market, Technology used, Graphics, Compatibility with backward, Speed and Power Consumption

کلمات کلیدی:

Micro-Architecture, CPU, GPU, Tick Tock, Fin FET

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