


Scritto da Alessandro Crea
Giovedì 02 Maggio 2013 16:17 -

Manca ormai poco più di un mese all'esordio sul mercato dei nuovi, attesissimi processori Intel Core di quarta generazione conosciuti col nome in codice Haswell, che sostituiranno gli attuali Ivy Bridge di cui ormai sappiamo quasi tutto. Ogni tanto però il chipmaker di Santa Clara fa trapelare qualche nuovo dettaglio, tanto per mantenere viva l'attenzione. In questo caso nelle scorse ore sono circolate in Rete alcune slide che mostrano quella che dovrebbe essere la [de](#) [nominazione commerciale definitiva dei vari modelli di GPU](#) e un grafico che ne spiega le prestazioni rispetto ai sottosistemi HD 4000 presenti nella terza generazione e negli Haswell di tipo ultra low voltage e di fascia entry level.

4th Generation Intel® Core™ Processors

Enhanced Graphics



- NEW** Amazing performance
- NEW** Integrated on-package EDRAM Memory
- NEW** DX11.1, OpenGL 4.0 support

- NEW** 3 Screen Collage Display
- NEW** Enhanced 4K x 2K support
- NEW** 2x bandwidth with Display Port 1.2

- NEW** Faster Intel® Quick Video
- NEW** Fast JPEG Decode
Faster MPEG Encode
- NEW** OpenCL 1.2 Support

All products, dates, and figures specified are UNDER EMBARGO UNTIL FURTHER NOTICE

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2013 Graphics Naming by Level & SKU



Graphics Level	PC Clients	Server / Workstation
GT3e*	Intel® Iris™ Pro graphics 5200	----
GT3* (28W)	Intel® Iris™ graphics 5100	-----
GT3* (15W)	Intel® HD graphics 5000	-----
GT2*	Intel® HD graphics 4600 / 4400 / 4200	Intel® HD graphics P4700 / P4600
GT1*	Intel® HD graphics	-----

Actual SKU availability will be released by PCCG in the normal roadmap publication.

*GT is how Intel referred to graphics levels in NDA roadmaps. *GT* should not be used in marketing materials for end users.

See appendix for system configurations

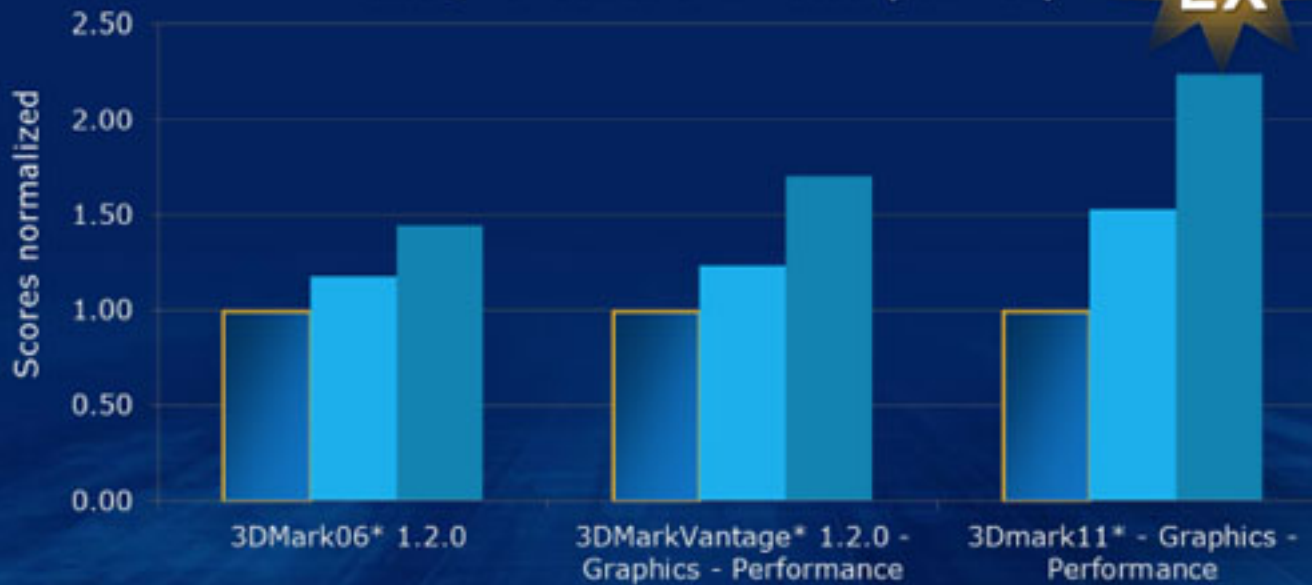
Embargo lifted May 1st, 2013 at 8PM PST

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Amazing Ultrabook Graphics Performance

4th Gen Core™i7-4558U 28W more than Doubles performance

- Intel® 3rd Gen Core™i7-3687U (17W TDP)
- Intel® 4th Gen Core™i7-4650U (15W TDP)
- Intel® 4th Gen Core™i7-4558U (28W TDP)



See appendix for system configurations

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Software and workloads used in performance tests may have been optimized for performance only on Intel® microprocessors. Performance tests, such as SYSmark® and MobileMark®, are measured using specific computer systems, components, software, operations, and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. All products, dates, and figures specified are preliminary based on current expectations, and are subject to change without notice.



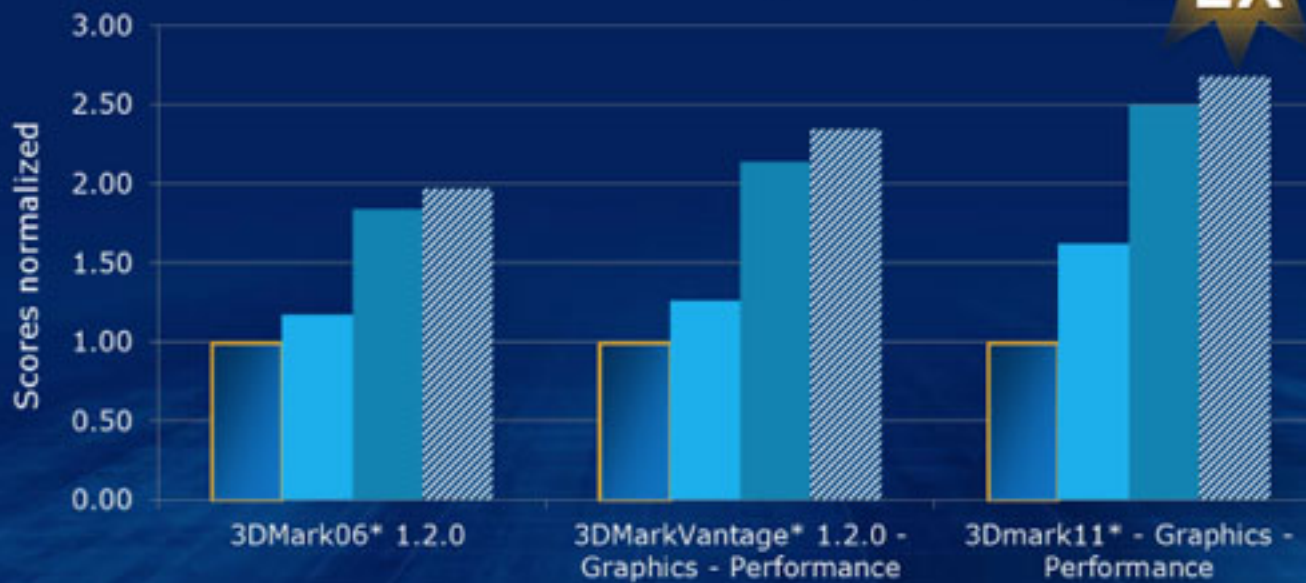
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New Level of Graphics Performance

4th Gen Core™ i7-4950HQ 47W more than Doubles performance

- Intel® 3rd Gen Core™ i7-3840QM (45W TDP)
- Intel® 4th Gen Core™ i7-4900MQ (47W TDP)
- Intel® 4th Gen Core™ i7-4950HQ (47W TDP)
- Intel® 4th Gen Core™ i7-4950HQ (PL1=55W)

Over
2X



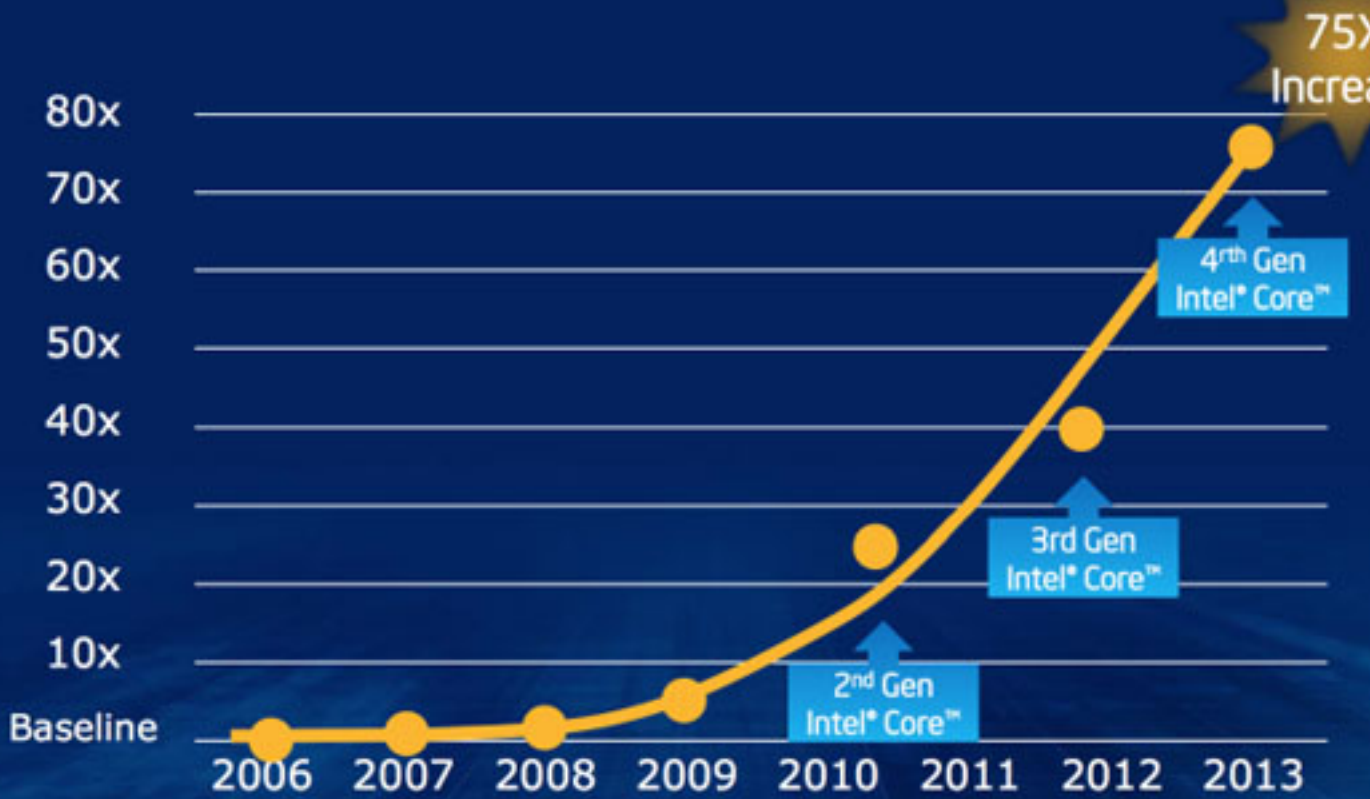
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Increasing Graphics Performance



Source: Intel. 3DMark06

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Source: Anandtech, http://www.anandtech.com/show/16166/Intel-Core-i7-4790-Haswell-Desktop-Processor-Review