Overview

2nd Generation Intel® Core™ i3 Processor
2nd Generation Intel® Core™ i5 Processor
2nd Generation Intel® Core™ i7 Processor

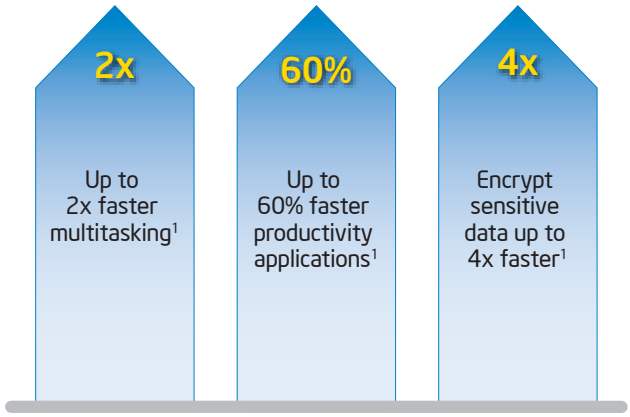
2nd Generation Intel® Core™ Processor Family

A visibly smarter way to power your business

Smart performance for businesses of all sizes

- **Up to 2x faster multitasking,** and run business productivity applications up to 60% faster on a 2nd generation Intel® Core™ i5 processor vs. a 3-year-old PC.[1]
- **Intel® Turbo Boost Technology 2.0** adapts performance when needed for more demanding tasks, and saves energy when additional performance is not needed.[2]
- **4-way or 8-way multitask processing** enables the 2nd gen Intel Core processor family to work on four or eight tasks at the same time—resulting in enhanced multitasking when working among multiple office applications.[3]
- **Built-in energy-saving features** come standard in these processors and help PCs meet ENERGY STAR* requirements.[4]

Accelerate workforce with smart performance



Safe investment with smart security

- **Disable PCs at the hardware level in the event of loss or theft,** with optional Intel® Anti-Theft technology.[5]
- **Encrypt sensitive data up to 4x faster** vs. a 3-year-old PC. Faster encryption is delivered through Intel® AES-NI, which accelerate operations for encryption and decryption.[1,6]
- **Critical background security tasks, such as virus scans, can run efficiently in the background** via the overall improved performance of the 2nd gen Intel Core processor family.

Built-in visuals deliver stunning visual experience

- **Built-in visuals provide superb visual performance,** sharper images, and richer color for multimedia applications, digital creation content, and collaboration.[8]
- **Ensure PCs meet business need for visual media** in order to interact with customers and between colleagues.
- **No need for an additional dedicated graphics card.** Built-in visuals offer stunning visual performance without the added cost burden and power requirements of a dedicated graphics card.

Choose the 2nd Generation Intel® Core™ Processor that's right for you

Recommended Intel® Core™ processors to meet your business needs	Intel® Core™ i7 Processor	Intel® Core™ i5 Processor	Intel® Core™ i3 Processor
Top-of-the-line performance is needed	●	○	○
Hardware-based acceleration of encryption and decryption with Intel® AES-NI[6]	●	●	○
Increased processor speeds when performance is needed with Intel® Turbo Boost Technology 2.0[2]	●	●	○
Intelligent energy efficiency	●	●	●
4-way or greater multitask processing[3]	●	●	●
Disable PCs at the hardware level with optional Intel® Anti-Theft technology[5]	●	●	●
Stunning visual media experience with built-in visuals[8]	●	●	●

○ Not applicable ● Advanced capability

For more information on 2nd generation Intel Core processors, visit www.intel.com/itcenter/products/core/index.htm.

[1] Cross-client claim based on lowest performance data number when comparing desktop and mobile benchmarks. Configurations and performance test as follows:

Mobile: Comparing pre-production Intel® Core™ i5-2410M Processor (2C4T, 2.3GHz, 3MB cache), Intel Emerald Lake CRB, 4GB (2x2GB) PC3-10700 (DDR3-1333)-CL9, Hitachi Travelstar 320GB hard-disk drive, Intel® HD Graphics 3000, Driver: 2185 (BIOS:v.34, Intel v.9.2.0.1009) , Microsoft Windows* 7 Ultimate 64-bit RTM Intel® Core™2 Duo Processor T7250 (2M Cache, 2.00 GHz, 800 MHz FSB), Intel Silver Cascade Fab2 CRB, Micron* 4 GB (2x2GB) PC3-8500F (DDR3-1066)-400, Hitachi 320GB hard-disk drive, Mobile Intel 4 Series Express Chipset Family w/ 8.15.10.2182 (BIOS: American Megatrends AMVACRB1.86C.0104.B00.0907270557, 9.1.2.1008).

Desktop: Pre-production Intel® Core™ i5-2400 Processor (4C4T, 3.1GHz, 6MB cache), Intel Los Lunas CRB, Micron* 4GB (2x2GB) PC3-10700 (DDR3-1333)-CL9, Seagate* 1 TB, Intel® HD Graphics 2000, Driver: 2185 (BIOS:v.35, Intel v.9.2.0.1009) , Microsoft Windows* 7 Ultimate 64-bit RTM Intel® Core™ 2 Duo E6550 (2C2T, 2.33GHz, 4MB cache), Intel DG945GCL Motherboard, Micron 2GB (2x1GB) DDR2 667MHz, Seagate320 GB hard-disk drive, Intel® GMA 950, Driver: 7.14.10.1329, (BIOS:CL94510J.86A.0034, INF: 9.0.0.1011), Microsoft Windows* 7 Ultimate 64-bit RTM.

Business productivity claims based on SYSmark* 2007, which is the latest version of the mainstream office productivity and Internet content creation benchmark tool used to characterize the performance of the business client. SYSmark 2007 preview features user-driven workloads and usage models developed by application experts. Multitasking claims based on PCMark Vantage, a hardware performance benchmark for PCs running Windows 7 or Windows Vista, includes a collection of various single and multi-threaded CPU, Graphics, and HDD test sets with a focus on Windows* application tests. Security workload consists of SiSoftware Sandra* 2010 - AES256 CPU Cryptographic subtest measures CPU performance while executing AES (Advanced Encryption Standard) encryption and decryption algorithm. For more information go to http://www.intel.com/performance.

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. For more information go to http://www.intel.com/performance.

[2] Requires a system with Intel® Turbo Boost Technology capability. Intel Turbo Boost Technology 2.0 is the next generation of Turbo Boost Technology and is only available on 2nd gen Intel Core processors. Consult your PC manufacturer. Performance varies depending on hardware, software, and system configuration. For more information, visit http://www.intel.com/technology/turboboost

[3] Requires an Intel® Hyper-Threading Technology enabled system, consult with your PC manufacturer. Performance will vary depending on the specific hardware and software used. Not available on all Intel® Core™ processors. For more information, including details on which processors support Intel HT Technology, visit http://www.intel.com/info/hyperthreading.

[4] ENERGY STAR is a system-level energy specification, defined by the Environmental Protection Agency, that relies on all system components, such as processor, chipset, power supply, etc.) For more information, visit http://www.intel.com/technology/epa/index.htm.

[5] Intel® Anti-Theft Technology (Intel® AT). No system can provide absolute security under all conditions. Requires an enabled chipset, BIOS, firmware and software and a subscription with a capable Service Provider. Consult your system manufacturer and Service Provider for availability and functionality. Intel assumes no liability for lost or stolen data and/or systems or any other damages resulting thereof. For more information, visit http://www.intel.com/go/anti-theft.

[6] Intel® Advanced Encryption Standard-New Instructions (Intel® AES-NI) requires a computer system with an AES-NI enabled processor, as well as non-Intel software to execute the instructions in the correct sequence. For availability, consult your reseller or system manufacturer. For more information, see http://software.intel.com/en-us/articles/intel-advanced-encryption-standard-instructions-aes-ni.

[7] Source: Comparing Intel® Core™ i5-2520M processor-based laptops to theoretical installed base of Intel® Core™2 Duo processor T7250. Business productivity claims based on SYSmark* 2007, which is the latest version of the mainstream office productivity and Internet content creation benchmark tool used to characterize the performance of the business client. SYSmark 2007 preview features user-driven workloads and usage models developed by application experts. Multitasking claims based on PCMark Vantage, a hardware performance benchmark for PCs running Windows 7 or Windows Vista, includes a collection of various single and multi-threaded CPU, Graphics, and HDD test sets with a focus on Windows* application tests. Security workload consists of SiSoftware Sandra* 2010 - AES256 CPU Cryptographic subtest measures CPU performance while executing AES (Advanced Encryption Standard) encryption and decryption algorithm.

[8] Available on the 2nd gen Intel® Core™ processor family. Includes Intel® HD Graphics, Intel® Quick Sync Video, Intel® Clear Video HD Technology, Intel® InTru™ 3D Technology, and Intel® Advanced Vector Extensions. Also optionally includes Intel® Wireless Display depending on whether enabled on a given system or not. Whether you will receive the benefits of built-in visuals depends upon the particular design of the PC you choose. Consult your PC manufacturer whether built-in visuals are enabled on your system. Learn more about built-in visuals at http://www.intel.com/technology/visualtechnology/index.htm.

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