

Desktop Roadmap

November 2011

Business Platforms 2011

Refreshing your desktops? Now is the optimal time to transition to the Intel® Core™ i5 and i7 processor with vPro™ technology for a fleet that's easier to update, manage remotely and secure.



	PROFESSIONAL	ADVANCED	BASIC
Usage and benefits	<ul style="list-style-type: none"> Enables IT or your managed service provider to provide 24x7 technical support for less Securely do remote wake up, update and shut down of systems More protection against attacks with programmable filters Allows you to manage PCs in previously unreachable states (off or crashed) Improved energy efficiency without sacrificing performance Plenty of performance to run anti-virus/spam, spyware, and data backup in the background 	<ul style="list-style-type: none"> Industry-leading performance for a desktop PC Professional content development Advanced modeling and simulations Improved energy efficiency without sacrificing performance 	<ul style="list-style-type: none"> Great performance with improved graphics performance Improved energy efficiency without sacrificing performance Advanced content development
Recommended Intel processors	Intel Core i7-2600 Intel Core i5-2500	Intel Core i7-2600 Intel Core i5-2400	Intel Core i3-2130
Chipset	Q67	Q65	B65
Architecture	32nm	32nm	32nm
Number of cores	4 (both Core i7 and Core i5)	4 (both Core i7 and Core i5)	2
Number of threads	8 (Core i7) or 4 (Core i5)	8 (Core i7) or 4 (Core i5)	4
Cache	8MB (Core i7) or 6MB (Core i5)	8MB (Core i7) or 6MB (Core i5)	3MB (Core i5M)
Base CPU clock speed	3.4GHz (Core i7) or 3.3GHz (Core i5)	3.4GHz (Core i7) or 3.1GHz (Core i5)	3.4GHz
Max CPU Turbo clock speed	3.8GHz (Core i7) or 3.7GHz (Core i5)	3.8GHz (Core i7M) or 3.4GHz (Core i5)	No Turbo Boost mode
Processor graphics base clock speed	850 MHz (both Core i7 and Core i5)	850 MHz (both Core i7 and Core i5)	850 MHz
Processor graphics max turbo clock speed	1350MHz (Core i7) or 1100MHz (Core i5)	1350MHz (Core i7) or 1100MHz (Core i5)	1100MHz
Intel technologies	Intel vPro technology, Integrated memory controller, Intel Turbo Boost Technology 2.0, Intel Hyper-threading, AES-NI encryption technology, Intel Advanced Vector Extensions (AVX) media acceleration technology, VT-x, VT-d, Intel Trusted Execution Technology (TXT), EIST, Intel 64, Execute Disable Bit	Integrated memory controller, Intel Turbo Boost Technology 2.0, Intel Hyper-threading, AES-NI encryption technology, Intel Advanced Vector Extensions (AVX) media acceleration technology, VT-x, VT-d, Intel Trusted Execution Technology (TXT), EIST, Intel 64, Execute Disable Bit	Integrated memory controller, Intel Hyper-threading, Intel Advanced Vector Extensions (AVX) media acceleration technology, VT-x, EIST, Intel 64, Execute Disable Bit
Proofs	<ul style="list-style-type: none"> Reduce unintended PC downtime by up to 65%^{1,2} Conduct PC asset inventory up to 94% faster than manually^{1,2} Reduce the need for software related desk-side maintenance visits by up to 91%^{1,2} 	<ul style="list-style-type: none"> Up to 2.75x faster on office productivity benchmarks; up to 9x faster on advanced Microsoft Excel* calculations compared to previous-generation installed base³ 	<ul style="list-style-type: none"> Approximately 150% faster than prior generation products running typical office productivity benchmarks³

For more information, visit www.intel.com/au/directions

Benchmark information

Performance tests and ratings are measured using specific computer systems and/or components and reflect the approximate performance of Intel products as measured by those tests. Any difference in system hardware or software design or configuration may affect actual performance. Buyers should consult other sources of information to evaluate the performance of systems or components they are considering purchasing. For more information on performance tests and on the performance of Intel products, visit www.intel.com/performance/resources/limits.htm or call (U.S.) 1-800-628-8686 or 1-916-356-3104.

DESKTOP ROADMAP

1/ (NOTEBOOK OR X_CLIENT) Intel Active Management Technology requires the computer system to have an Intel AMT-enabled chipset, network hardware and software, as well as connection with a power source and a corporate network connection. Setup requires configuration by the purchaser and may require scripting with the management console or further integration into existing security frameworks to enable certain functionality. It may also require modifications of implementation of new business processes. With regard to notebooks, Intel AMT may not be available or certain capabilities may be limited over a host OS-based VPN or when connecting wirelessly, on battery power, sleeping, hibernating or powered off. For more information, see www.intel.com/technology/manage/iamt/ **2/** Results shown are from the '2007 EDS Case Studies with Intel vPro™ processor technology', by LeGrand and Salamasick., 3rd party audit commissioned by Intel, of various enterprise IT environments and may not be representative of the results that can be expected for smaller businesses. The studies compare test environments of Intel vPro technology equipped desktop PCs vs. non- Intel vPro technology environments. **3/** (DESKTOP) Pre-production Intel Core 2 Duo Processor E8200 (6MB L2, 2.66GHz, 1333MHz FSB) and Pre-production Intel Core 2 Quad Processor Q9450 (6MBx2 L2, 2.66GHz, 1333MHz FSB) on Intel DQ35J0E board, Intel Chipset Software Installation File 8.30.1013, 2x1GB Dual Channel Micron* PC2-6400 DDR2 800 5-5-5-15. Intel Pentium 4 Processor 530 (1MB L2, 3.00GHz, 800MHz FSB) on Intel D945GCL board, Intel GMA950 Express Chipset, Intel Chipset Software Installation File 8.1.1.1010, 2x1GB Dual Channel Micron* PC2-6400 DDR2 667 5-5-5-15. Common to all platforms: Seagate* 320GB Barracuda 7200.10 NCQ Serial ATA 7200 RPM, Windows* Vista* Ultimate 32bit. Performance tests and ratings are measured using specific computer systems and / or components and reflect the approximate performance of Intel products as measured by those tests. Any difference in system hardware or software design or configuration may affect actual performance. Buyers should consult other sources of information to evaluate the performance of systems or components they are considering purchasing. For more information on performance tests and on the performance of Intel products, visit www.intel.com/performance/

*Other names and brands may be claimed as the property of others.

Copyright ©2011 Intel Corporation. All rights reserved. Centrino, Centrino logo, Core Inside, Intel, Intel logo, Intel Core, Intel Core logo, Intel Inside, Intel Inside logo, Intel vPro, vPro logo, Itanium, Itanium Inside, Itanium logo, Pentium, Pentium Inside, Pentium logo, Xeon, Xeon Inside, Xeon logo and Intel Solution Services are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.15246-1111/Intel