Sales Brief

Top Reasons to Standardize on 3rd Gen Intel® Core™ vPro™ Processor Family

INTEL® vPRO™ PLATFORM BASED SYSTEMS ARE BUILT FOR BUSINESS, ENGINEERED FOR SECURITY

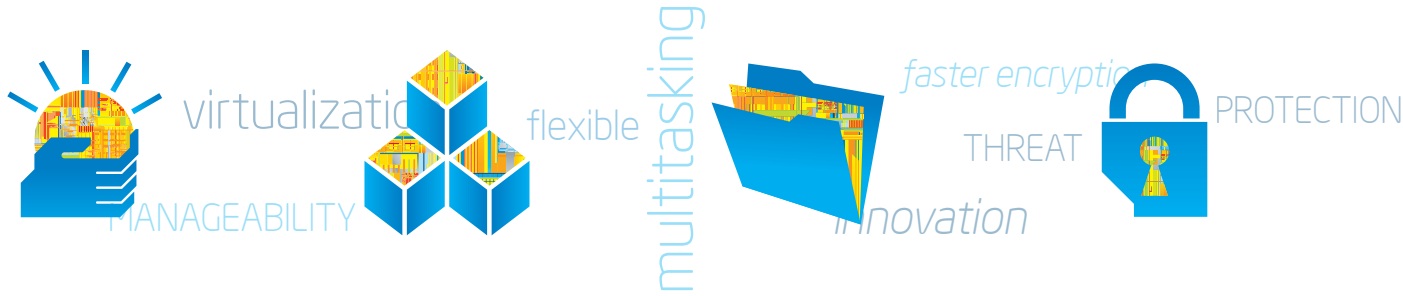
Up to 2X[1,2] Faster Multitasking That Automatically Adapts to User Needs

3rd Gen Intel® Core™ vPro™ i5 processor vs. mainstream 3-year old PC

- **Processor clock speed accelerates on demand** (e.g. 2.9 to 3.5 GHz) with Intel® Turbo Boost Technology[3] 2.0
- **Up to 8-way multitasking,** with each processor core simultaneously executing two threads[4] to effortlessly move among applications and collaborate with stakeholders
- **Built-in processor graphics** for great visuals and native dual-independent monitor support—without the added cost and complexity of a discrete graphics card[5]
- **The foundation for a modern desktop** to help your organization efficiently get the most out of Windows* 7 deployments while preparing for Windows* 8 integration
- **Performance to enable a powerful enterprise** running on current and next generation productivity platforms, including Office* 2010/2013, IE9,* and upcoming Windows 8 applications

Strengthen Your Threat Resistance With Faster Encryption, Theft Protection, and Innovative End-Point Security

- Accelerate encryption up to 2X[6] to protect data sooner, **enable ubiquitous encryption** and keep background tasks in the background, with hardware-based AES encryption acceleration[7]
- **Improved data and identity protection with hardware-based security** in desktops and enabled laptops[8]
  - **Automatically detect threats to missing laptops,** and lock encryption keys and hard drives beyond reach of criminals with Intel® Anti-theft technology[9]
  - **Protect the enterprise from identity theft,** using hardware-assistance to keep one-time password (OTP) tokens and PKI certificates secure[10]
  - **Keep malware from rooting below the OS** with Intel® OS Guard[11]
  - **Safely generate highly secure encryption keys** with Intel® Secure Key[12]
  - **Remotely diagnose, isolate and repair** an infected PC, regardless of operational state[13] including power off
- **Detect, block and remediate advanced, hidden attacks** with innovative hardware-assisted endpoint security; built on McAfee DeepSAFE Technology* co-developed with Intel



Do More With Less Through Automation and Remote Manageability[13,14]

- **Cut administration time and cost** through fast, automated PC configuration using Intel® Setup & Configuration Software 8.0
- **Keep users productive while repairing their PCs** with OS redirect and remote diagnosis and repair[13,14]
- **Get in front of the user's PC to diagnose and repair without leaving your chair**[13,14]—even with an inoperable OS—using KVM Remote Control[15] with persistence through re-boots
- **Stay compliant and secure** with off-hours patching[13,14]—up to 56 percent faster time to patch saturation[16]
- **Save power** with remotely configured, automated power-up/down[13,14]
- **Keep better track of assets**[13,14] **and stay in compliance** through anytime access to system information, regardless of OS or power state[13,14]
- **Reduce PC security operations costs while enhancing security posture** by remotely managing PC security with McAfee ePolicy Orchestrator/Deep Command/Risk Advisor*

Stay Flexible and More Secure with Desktop Virtualization[17,18]

- **Easily support both local computing and virtualization models,** including application virtualization, OS streaming, virtual hosted desktop, and client-side virtual container[17,18]
- **Protect virtualized environments against malware and root kit attacks** with hardware assistance from Intel® Virtualization technology[17] and McAfee* Deep Defender
- **Boot virtual machines into a known safe environment** with an established hardware-based root of trust using Intel® Trusted Execution technology[18]

Optimized for Windows* 7 Deployments; Ready for Windows 8

- Take advantage of a modern desktop by accelerating Windows 7, IE9,* Office* 2010 and MDOP deployments now
- Be ready for Windows 8: download and evaluate Windows 8 release Preview, and begin planning your adoption

[1] 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.

[2] (Responsiveness/Multitasking—3-year baseline) PCMark Vantage, a hardware performance benchmark for PCs running Windows 7* or Windows Vista,* includes a collection of various single and multithreaded CPU, graphics, and HDD test sets with a focus on Windows* application tests. Configurations: 2nd generation Intel® Core™ i5-3470 processor compared with Intel® Core™2 Duo processor E8400, typical 3-4-year-old installed base products as defined by IDC. For more information go to http://www.intel.com/performance.

Business productivity claims based on SYSmark* 2012, 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 2012 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.

[3] 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 and 3rd gen Intel Core i5 and Core i7 processors. Consult your PC manufacturer. Performance varies depending on hardware, software and system configuration. For more information, visit http://www.intel.com/technology/turboboost.

[4] Requires an Intel® HT Technology enabled system, check with your PC manufacturer. Performance will vary depending on the specific hardware and software used. Not available on Intel® Core™ i5-750. For more information including details on which processors support HT Technology, visit http://www.intel.com/info/hyperthreading.

[5] Built-in visual features are not enabled on all PCs, and optimized software may be required. Check with your system manufacturer. Learn more at http://www.intel.com/go/biv.

[6] Source: Comparing Intel® Core™ i5-3470 processor based laptops to theoretical installed base of Intel® Core™2 Duo Processor E8400. Business productivity claims based on SYSmark* 2012, 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 2012 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.

[7] 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. AES-NI is available on select Intel® Core™ i5 and Core™ i7 processors. 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/.

[8] No computer system can provide absolute security under all conditions. Built-in security features available on select Intel® Core™ processors and may require additional software, hardware, services and/or an Internet connection. Results may vary depending upon configuration. Consult your PC manufacturer for more details.

[9] Intel® Anti-Theft Technology—PC Protection. No computer system can provide absolute security under all conditions. Intel® Anti-Theft Technology requires the computer system to have an Intel® AT-enabled chipset, BIOS, firmware release, software, and an Intel AT-capable Service Provider/ISV application and service subscription. The detection (triggers), response (actions), and recovery mechanisms only work after the Intel® AT functionality has been activated and configured. Certain functionality may not be offered by some ISVs or service providers and may not be available in all countries. Intel assumes no liability for lost or stolen data and/or systems or any other damages resulting thereof.

[10] No system can provide absolute security under all conditions. Requires an Intel® Identity Protection Technology-enabled system, including a 2nd or 3rd gen Intel® Core™ processor, enabled chipset, firmware, and software, and participating website. Consult your system manufacturer. Intel assumes no liability for lost or stolen data and/or systems or any resulting damages. For more information, visit http://ipt.intel.com.

[11] No system can provide absolute security. Requires an Intel® OS Guard enabled system with a 3rd gen Intel® Core™ vPro™ processor and an enabled operating system. Consult your system manufacturer for more information.

[12] No system can provide absolute security. Requires an Intel® Secure Key enabled PC with a 3rd gen Intel® Core™ vPro™ processor and software optimized to support Intel Secure Key. Consult your system manufacturer for more information.

[13] Requires activation and a system with a corporate network connection, an Intel® AMT-enabled chipset, network hardware and software. For notebooks, Intel AMT may be unavailable or limited over a host OS-based VPN, when connecting wirelessly, on battery power, sleeping, hibernating or powered off. Results dependent upon hardware, setup & configuration. For more information, visit http://www.intel.com/technology/platform-technology/intel-amt.

[14] Intel® vPro™ Technology is sophisticated and requires setup and activation. Availability of features and results will depend upon the setup and configuration of your hardware, software and IT environment. To learn more visit: http://www.intel.com/technology/vpro/.

[15] KVM Remote Control (Keyboard Video Mouse) is only available with Intel® Core™ i5 vPro™ processors and i7 vPro™ processors with Intel® Active Management technology activated and configured and with integrated graphics active. Discrete graphics are not supported.

[16] Results shown are from the 2007 EDS Case Studies with Intel® Centrino® Pro and 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 the 2007 Benefits of Intel® Centrino® Pro Processor Technology in the Enterprise, Wipro Technologies study commissioned by Intel. The EDS studies compare test environments of Intel® Centrino® Pro and Intel® vPro™ processor technology equipped PCs vs. non-Intel® vPro™ processor technology environments. Tested PCs were in multiple OS and power states to mirror a typical working environment. The Wipro study models projected ROI of deploying Intel® Centrino® Pro processor technology. Actual results may vary and may not be representative of the results that can be expected for smaller businesses. The study is available at www.intel.com/vpro, www.eds.com, and www.wipro.com.

[17] Intel® Virtualization Technology requires a computer system with an enabled Intel® processor, BIOS, virtual machine monitor (VMM). Functionality, performance or other benefits will vary depending on hardware and software configurations. Software applications may not be compatible with all operating systems. Consult your PC manufacturer. For more information, visit http://www.intel.com/go/virtualization.

[18] No computer system can provide absolute security under all conditions. Intel® Trusted Execution Technology (Intel® TXT) requires a computer system with Intel® Virtualization Technology, an Intel TXT-enabled processor, chipset, BIOS, Authenticated Code Modules and an Intel TXT-compatible measured launched environment (MLE). Intel TXT also requires the system to contain a TPM v1.s. For more information, visit http://www.intel.com/technology/security.

Discover more reasons to standardize on the 3rd generation Intel® Core™vPro™ processor family at **www.intel.com/vpro**

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