



Sales Brief

Top Reasons to Standardize on 4th Gen Intel® Core™ vPro™ Processor Family

INTEL® CORE™ VPRO™ PROCESSOR-BASED BUSINESS CLIENTS STRENGTHEN SECURITY AND INCREASE PRODUCTIVITY ACROSS YOUR BUSINESS



Business Productivity

- **Improve conference room collaboration** and simplify your sharing experience with secure, wireless connections to projectors—remotely manageable by IT—with Intel® Pro Wireless Display
- **Quickly locate assets** across the campus, like conference rooms, printers, or lost notebook PCs with Intel® vPro™ Technology¹
- **Enjoy a great desktop virtualization experience** from enhanced PC performance and graphics using Intel® Virtual Machine Control Structure (Intel® VMCS) shadowing^{1,2}
- **Get back to work quickly** by waking PCs in a flash, while saving battery life on portable devices like an Ultrabook™ system with Intel® Rapid Start Technology³
- **Keep e-mail, social networks, and other apps that access the Internet constantly updated**, so your online information is ready when you are with the help of Intel® Smart Connect Technology⁴
- **4th gen Intel® Core™ vPro™ processors** provide the foundation for an agile, productive enterprise across the entire business client

computing continuum—tablet, netbook, laptop, Ultrabook device, desktop, and workstation

Embedded, Hardware-Assisted Security

▪ Threat Mitigation

- **Maintain a safe boot environment** for virtual machines with a hardware-based root of trust using Intel® Trusted Execution Technology⁵
- **Securely boot up business clients** from a hardware root of trust with Intel® Platform Protection Technology with Boot Guard⁶
- **Help prevent malware** from digging in below the OS using Intel® OS Guard⁷
- **Protect virtualized environments** against malware and root kit attacks with hardware assistance from Intel® Virtualization Technology² and McAfee Deep Defender*
- **Detect, block, and remediate advanced, hidden attacks** with innovative hardware-assisted security, built on McAfee DeepSAFE Technology* co-developed with Intel

▪ Identity and Access Protection

- **Embedded, hardware-assisted identity protection** helps keep private keys, one-time password (OTP) tokens and PKI certificates safe from theft, screen scrapers, and key loggers thanks to Intel® Identity Protection Technology⁸

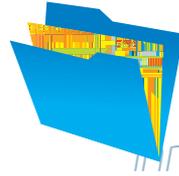


virtualization

flexible



multitasking



faster encryption

THREAT



PROTECTION

MANAGEABILITY

innovation

-Simplify user experiences and maintain high security for corporate networks with No-Password VPN Authentication (using Intel® IPT with PKI)⁶

▪ **Data Protection**

-Enable user productivity and ubiquitous encryption across business PCs with hardware-based acceleration provided by Intel® Advanced Encryption Standard-New Instructions⁹

-Safely generate highly secure encryption keys in hardware with Intel® Secure Key¹⁰

▪ **Security Monitoring and Remediation**

-Remotely manage your security infrastructure and profiles with McAfee ePolicy Orchestrator*/Deep Command*/Risk Advisor*

-Help protect your PC BIOS from stealth attacks and unauthorized updates with Intel® Platform Protection Technology with BIOS Guard⁶

Manageability and Automation^{11,12}

- Remotely configure, manage, and recover fully encrypted, fast solid state storage with Intel® Professional Series SSDs
- Cut administration time and cost through fast, automated PC configuration using the latest version of Intel® Setup and Configuration Software
- Get in front of the user's PC to diagnose and repair without leaving your chair^{11,12}—even with an inoperable OS—using Enhanced KVM Remote Control¹³
- Customize management and enhance automation with unique scripts using the Intel® vPro™ Powershell Module for Microsoft Windows Powershell*
- Remotely diagnose, isolate, and repair a problem PC, regardless of operational state,^{11,12} including power off
 - Instant back to work—keep users productive while repairing their PCs
 - Improved power management—save power with remotely configured, automated power-up/down^{11,12}
 - Easily re-direct, reboot, and re-image PCs from anywhere

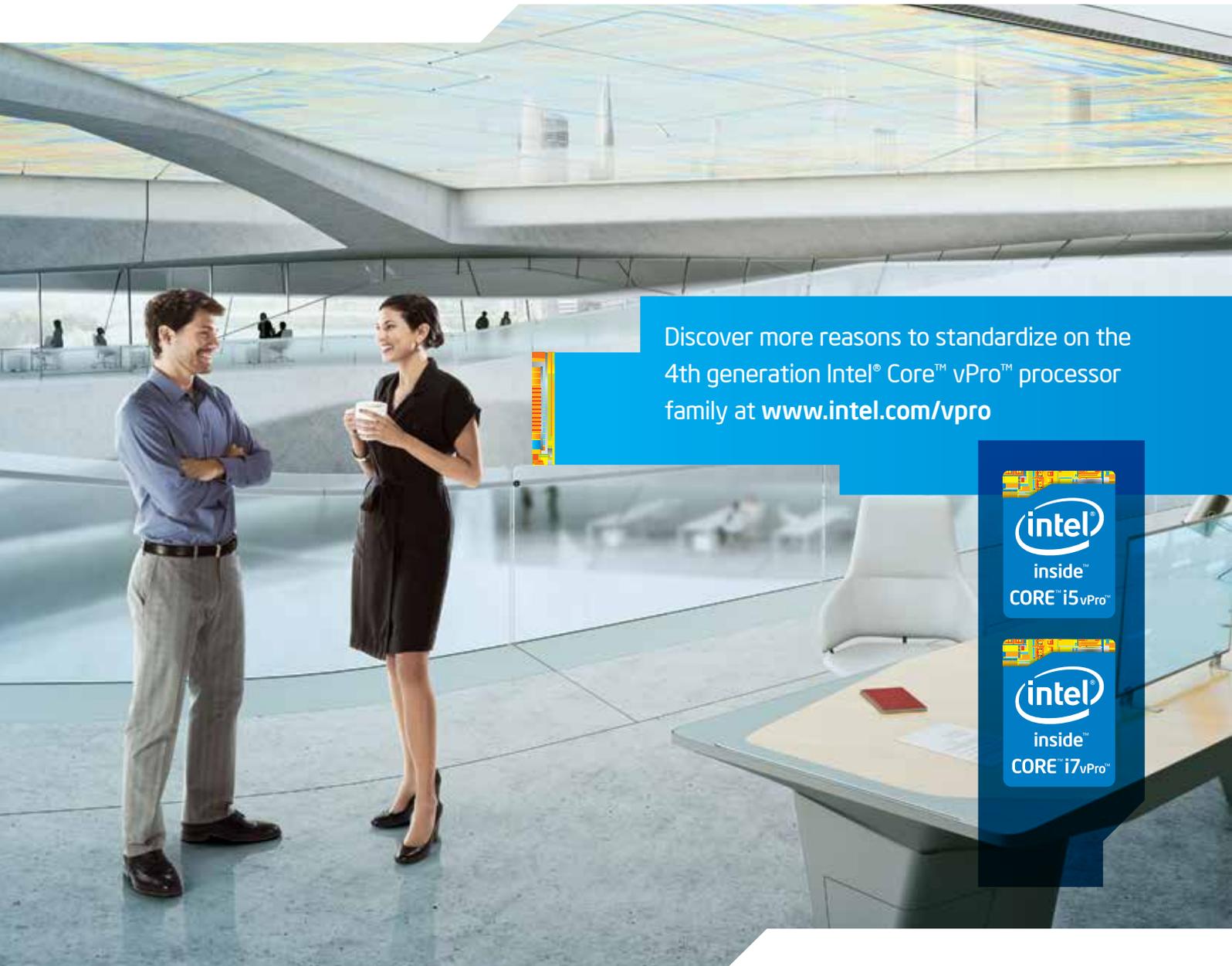


Ready for Windows 8*

- 4th generation Intel® Core™ vPro™ processors deliver performance to enable a powerful enterprise running on current and next-generation productivity platforms, including Office* 2010/2013, IE9*, and other Windows 8* applications.
- Meet all your consumerization needs from enterprise-class tablets to powerful laptops and desktops with hardware-enhanced technologies all built on Windows 8 and 4th generation Intel Core vPro processors.



- ¹ 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/>.
- ² 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>.
- ³ Intel® Rapid Start Technology requires a select Intel® processor, Intel® software and BIOS update, and Intel® Solid-State Drive (Intel® SSD). Depending on system configuration, your results may vary. Contact your system manufacturer for more information.
- ⁴ Intel® Smart Connect Technology requires a select Intel® processor, Intel® software and BIOS update, Intel® Wireless adapter, and Internet connectivity. Solid-state memory or drive equivalent may be required. Depending on system configuration, your results may vary. Contact your system manufacturer for more information.
- ⁵ 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>.
- ⁶ 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.
- ⁷ No system can provide absolute security. Requires an Intel® OS Guard enabled system with a 4th gen Intel® Core™ vPro™ processor and an enabled operating system. Consult your system manufacturer for more information.
- ⁸ No system can provide absolute security under all conditions. Requires an Intel® Identity Protection Technology-enabled system, including a 2nd, 3rd, or 4th gen Intel® Core™ processor, enabled chipset, firmware, and software, and participating web site. 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>.
- ⁹ 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>.
- ¹⁰ No system can provide absolute security. Requires an Intel® Secure Key enabled PC with a 4th gen Intel® Core™ vPro™ processor and software optimized to support Intel Secure Key. Consult your system manufacturer for more information.
- ¹¹ 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>.
- ¹² 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.
- ¹³ Enhanced 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.



Discover more reasons to standardize on the 4th generation Intel® Core™ vPro™ processor family at www.intel.com/vpro

