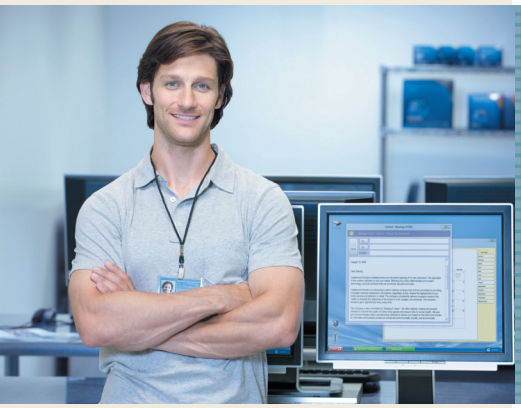

Small Business Solutions with the 2nd Generation Intel® Core™ vPro™ Processor Family, Windows* 7 Professional, and Windows Small Business Server 2011 Essentials

SOLUTION BRIEF

As small businesses increasingly mobilize their workforce, they need technology that helps accelerate user productivity while reducing the risk of data loss and downtime. But with tight budgets, small businesses may worry that upgrading IT is going to be too complex and costly to install and manage.

With Intel and Microsoft, small businesses can take advantage of a complete IT solution at a cost they can afford. Laptops and desktops powered by 2nd generation Intel® Core™ vPro™ processor family and Windows* 7 Professional help increase productivity of mobile workers, improve data security, and reduce IT costs. People can get more done, work the way they want, and help safeguard work. Small businesses running Windows Small Business Server (SBS) 2011 Essentials and PCs with Intel® vPro technology and Windows 7 Professional will have a proven end-to-end solution designed just for them.

ACCELERATE PRODUCTIVITY

The era of rich media and complex multi-tasking is here, as more businesses rely on different applications for collaboration, web conferencing, and rich content creation. This demands a new level of smart, energy-efficient performance that can keep up, no matter what. PCs with the all new 2nd generation Intel® Core™ i5 or Core™ i7 vPro™ processors and Windows 7 Professional deliver up to 2X faster multitasking performance than a 3 year old PC.[1]

PCs with Intel vPro technology help small businesses adapt to new and evolving mobile usage models with no compromise. While delivering processor graphics performance necessary to embrace growing rich media requirements, Intel vPro technology also implements robust security for an increasingly mobile workforce. With Intel® Turbo Boost Technology 2.0[2], PCs adapt to the ever-changing workload demands during a user's workday, delivering more performance when needed most.

"*[Intel vPro] brings so much to the table in terms of remote management, power efficiency, security and systems backup. And with the new [Intel SBMA] plug-in, these capabilities become more accessible for small businesses that have [Windows] SBS 2011 Essentials.*"
— Seth Hodge, Vice President and Chief Operating Officer, Virtual World Technologies

SBS 2011 Essentials powered by the Intel® Xeon® processor E3-1200 product family is tailored to online services, for near-zero on-premises management, giving small businesses an end-to-end solution to manage the network and protect, centralize, stream, and access business data.

Small businesses have struggled with keeping their PCs healthy and up to date without affecting worker productivity. Tasks like scheduled data backup, to troubleshooting software issues tend to be neglected until a critical situation arises. When integrated into the SBS 2011 Essentials console, the Intel Small Business Manageability Add-In (SBMA) and Intel vPro technology allows remote access to PCs for monitoring, maintenance, and out-of-band management to prevent these critical issues, all from a unified management dashboard.

Windows 7 Professional also helps employees complete everyday tasks faster and more easily, and access files and programs from anywhere. Faster multi-tasking performance with 2nd generation Intel Core vPro processors means users can keep steady with today's always connected, non-stop pace of business.

"*Small businesses can have a rock solid, easy-to-manage server system without a bunch of cost or complexity.*"
— Seth Hodge, Vice President and Chief Operating Officer, Virtual World Technologies

IMPROVE DATA SECURITY

As notebook purchases increase, laptop usage means higher risk of data loss. PCs with Intel vPro technology and Windows 7 Professional help protect work against malware, data loss, and other security threats. With security built into the hardware, Intel vPro technology improves user productivity by allowing IT administrators to quickly deploy security patches across PCs and manage data security settings. IT administrators can also deliver reliable nightly backup with Intel vPro technology power-on and remotely access PCs even if powered off. This complete control over a PC, with features like KVM Remote Control, enables IT administrators to remotely troubleshoot and repair PCs simply from the dashboard of SBS 2011 Essentials.

Windows 7 Professional helps recover data easily with automatic backups to home or business networks. The hardware-based security and manageability of Intel vPro technology simplifies and accelerates these functions, while significantly reducing unwanted access to sensitive data on missing laptops using Intel® Anti-Theft Technology (Intel® AT).

STREAMLINE MANAGEMENT

Keeping employees productive also means reducing costly downtime from common maintenance and upgrade tasks. PCs with Intel vPro technology and Windows 7 Professional deliver built-in manageability helping to reduce the average time to repair hardware up to 60% and average time to repair software up to 50%. As a result, desk-side visits can also be reduced by up to 50%.[3] And with Windows 7 Professional, users gain access to support from anywhere, further reducing escalations of IT issues.

"*Intel vPro technologies have reduced our on-site visits by at least 70 percent, and quite frankly, they have lowered my stress level.*"
— Lyle Epstein, President, Kortek Solutions

Intel vPro Technology Benefits for Resellers	
Provide Services for Small Businesses	**Increase Revenue**
▪ **Protect small business data and improve service levels** ▪ **Power-on PCs for after hour software updates** ▪ **Remotely diagnose hardware and software issues with KVM Remote Control** ▪ **Remotely repair software issues**	▪ **Offer a low-cost, entry level solution for small businesses** ▪ **Provide a solution that scales for all business sizes** ▪ **Increase service revenue with low-cost remote manageability using Windows Small Business Server 2011 Essentials**

When Intel® Virtualization Technology is enabled on laptop and desktop PCs with Intel vPro technology and Windows 7 Professional, users can run many older Windows XP productivity applications with Windows XP Mode, right from the desktop.[4] This enables the benefits of a new operating system without worrying about disruptive compatibility issues.

SBS 2011 Essentials powered by the Intel® Xeon® processor E3-1200 product family offer small businesses a server solution designed to simplify network management. While small businesses may have opted for using a desktop-based system in place of a server in the past, SBS 2011 Essentials and PCs with Intel vPro technology deliver easy remote network management, centralized access to business data, and end-to-end security small businesses need today.

GET STARTED TODAY

PCs with Intel vPro technology and Windows 7 Professional help small businesses accelerate productivity, improve data security, and reduce IT costs. Combined with SBS 2011 Essentials running on the Intel Xeon processor E3-1200 product family, businesses can adopt a proven end-to-end solution at an affordable cost. Get started by visiting these resources today:

- Find a vPro System: **https://msp.intel.com/find-a-vpro-system**
- Windows 7 Professional: **www.microsoft.com/windows/business**
- Windows Small Business Server 2011 Essentials: **www.microsoft.com/oem/en/products/servers/Pages/windows_sbs_2011_essentials_overview.aspx**
- Intel and Microsoft Alliance: **http://intelalliance.com/microsoft**

Top 10 Channel Opportunity Benefits

1. Reach new customers by offering a state-of-the art yet cost-effective server platform
2. Simplify the cloud experience for your customers
3. Earn higher margins by providing predictable and repeatable IT
4. Sell the right solution to the right customer
5. Serve more customers more efficiently
6. Deliver peace of mind with automatic local backup and restoration
7. Enable your customers to work from virtually anywhere
8. Deliver custom applications and services
9. Become a trusted advisor
10. Be an innovative leader

	Usage Model	2nd Generation Intel Core i5 or Core i7 vPro Processor
Productivity	Repair crashed PC in any location	√
	Extra performance boost when needed	√
	Create, use rich content faster	√
	Longer battery life	√
	Share content wirelessly on large screens	√
Security	Power on for remote access	√
	Reliable power on for backup	√
	More secure online transactions and VPN access	√
Cost Reduction	Remote diagnosis and repair	√
	Reduce PC energy consumption	√
	Reduce risk of losing costly data	√

[1](Cross Client) 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™i5-520M processor based laptops to theoretical installed base of Intel® Core™2 Duo processor T5500. Laptop system configurations: Intel®Core™i5-520M (3MB Cache, 2.4 GHz), with Intel®Turbo Boost Technology and Intel®Hyper-Threading Technology on pre-production Intel®Ibex Peak HM55, Dual-channel Micron* 4GB (2x2GB) DDR3-1066 7-7-7-20 with Intel®Graphics Media Accelerator HD graphics, Hitachi* 320GB HDD, Intel®Matrix Storage Manager 8.9.0.1023 (BIOS, Intel®INF and Graphics: pre-production, Imoncompliant with VRD 11.1 requirements), Microsoft* Windows* 7 Ultimate 64-bit RTM.

Intel® Core™2 Duo processor T5500 (2MB Cache, 1.66 GHz, 667 MHz FSB) in Lenovo* Thinkpad* T60 laptop, Mobile Intel® 945GM Express Chipset, Micron* PC5300 DDR2 667 2x1GB 5-5-5-15 memory, Intel® GMA 950 graphics 224MB Dynamic video memory technology, Hitachi* Travelstar* HTS721010G9SA00 SATA 100GB 7200RPM HDD, BIOS Lenovo* 79ETD7WW 2.17 with default settings, Microsoft* Windows* Vista Ultimate. Business productivity claims based on SYSmark* 2007 preview is BAPCo's 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 financial calculations workload consisting of advanced spreadsheet calculation measured using Microsoft* Excel* Monte Carlo Simulation plus Virus Scan. Security workload consists of Winzip*12 decompressing an encrypted archive containing 200 photos, 125 of which are 10MP photos and 75 which are 6MP photos. The photos are in jpeg format. The total size of all the photos is about 830MB.

(Desktop) Comparing pre-production Intel® Core™ i5-650 processor based desktops to theoretical installed base of Intel® Core™2 Duo Processor E6400 with comparable frequency. Desktop configurations: pre-production Intel® Core™ i5-650 processor (4MB Cache, 3.20 GHz) on pre-production Intel® Ibex Peak P55, Dual-channel DS Micron* 4GB (2x2GB) DDR3-1333 9-9-9-24 with Intel® Graphics Media Accelerator HD graphics @ 900 MHz, Seagate* 1TB HDD, Intel® Matrix Storage Manager 8.9.1023 (BIOS, Intel® INF and Graphics: pre-production, Imoncompliant with VRD 11.1 requirements), Microsoft* Windows* 7 Ultimate 64-bit RTM Intel® Core™2 Duo Processor E6400 (2M Cache, 2.13 GHz, 1066 MHz FSB) on Intel® DQ45CB, Dual channel DS Micron* 2GB (2x1GB) DDR2-800 5-5-5-18 with Integrated Intel® GMA 3000 onboard graphics subsystem, Seagate* 320GB HDD, (BIOS:0059, Intel® Chipset INF: 8.4.0.1016, Graphics: 7.14.10.1329), Microsoft* Windows* 7 Ultimate 64-bit RTM, Microsoft* Windows* Vista Ultimate 32-bit. Business productivity and energy claims based on SYSmark* 2007 preview is BAPCo's 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 financial calculations workload consists of advanced spreadsheet calculation measured using Microsoft* Excel* Monte Carlo Simulation plus Virus Scan. Security workload consists of Winzip*14 decompressing an encrypted archive containing 200 photos, 125 of which are 10MP photos and 75 which are 6MP photos. The photos are in jpeg format. The total size of all the photos is about 830MB.

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

[3]Intel vPro processor technology case studies with Alpheon, Dempsey and Sabio. Actual results may vary. Case studies can be found at http://msp.intel.com/case-studies

[4]Designed primarily with small- and medium-sized businesses in mind, Windows XP Mode comes as a separate download and works only with Windows 7 Professional, Ultimate, and Enterprise. Windows XP Mode also requires virtualization software such as Windows Virtual PC. Both are available at no cost on the Microsoft website.

Intel® Turbo Boost Technology requires a PC with a processor with Intel Turbo Boost Technology capability. Intel Turbo Boost Technology performance varies depending on hardware, software and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel Turbo Boost Technology. For more information, see http://www.intel.com/technology/turboboost.

Hyper-Threading Technology requires a computer system with a processor supporting HT Technology and an HT Technology-enabled chipset, BIOS and operating system. Performance will vary depending on the specific hardware and software you use. For more information including details on which processors support HT Technology, see here

Intel® Anti-Theft Technology (Intel® AT). No computer system can provide absolute security under all conditions. Intel® AT 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.

Intel® Virtualization Technology requires a computer system with an enabled Intel® processor, BIOS, virtual machine monitor (VMM) and, for some uses, certain computer system software enabled for it. Functionality, performance or other benefits will vary depending on hardware and software configurations and may require a BIOS update. Software applications may not be compatible with all operating systems. Please check with your application vendor.

Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families. Go to: http://www.intel.com/products/processor%5Fnumber/

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