



Freedom to Succeed

Intel® Centrino® Duo Processor
Technology for Small Business



Introducing the Next-Generation Intel® Centrino® Duo Processor
Technology with the Intel® Core™2 Duo Processor

MORE PERFORMANCE. MORE BANDWIDTH. MORE FREEDOM.







Mobility isn't just the future. It's right now. Experience mobile computing technology from Intel.

Get the information you need when you need it to be more responsive to your clients. More effective with your time. And, by being able to work on your own terms, have more control over your life and your business.

Helping you stay competitive and customer focused, Intel® Centrino® Duo processor technology has been designed with capabilities that can both grow your business and grow with your business.

To get ahead in business today, you can't afford to be tied down. You need to be as flexible, efficient, connected – and competitive – as possible. You need mobility.

Intel provides the mobile solution for your business needs. The latest Intel® Centrino® Duo processor technology with a revolutionary, new dual-core processor, can meet the business world's – as well as your clients' – increasing demands for speed and productivity. You can get outstanding mobile performance and improved wireless security for the management and growth of your small business – making it easier for you to stay close to your customers and information, and helping you work smarter and faster.

Our innovations in notebook computing will help change not only where and how you can conduct your business, but also how effectively you can do so, by letting you access and share essential information on the go¹ – whether you are moving from meeting to meeting or working from your home, office, hotel, or customer site.

Best of all, Intel Centrino Duo processor technology can make your life easy because it is so easy. From cost to function to maintenance, this technology was designed for performance, efficiency and reliability.

So prepare to be more flexible. Available. Effective. Creative. Get ready for an incredible mobile experience.



Great business computing starts with Intel inside.

Rediscover performance and redefine efficiency with the Intel® Core™2 Duo processor.

The latest Intel Centrino Duo processor technology with its revolutionary dual-core processor represents a breakthrough in mobile computing – enhancing your wireless capabilities. The Intel Centrino Duo processor technology with advanced and improved, mobile-optimized dual-core processor is engineered so you can simultaneously run demanding business applications – such as sending e-mail, instant messaging, managing billing and orders, accessing customer databases, and creating a Web site – while virus protections run in the background. And with multi-threaded professional applications, several processes can run at the same time, so information is processed even more efficiently, enabling outstanding performance for demanding business users.

Ultimate flexibility: Get more done – better – in less time.

Intel Centrino Duo processor technology lets you take advantage of demanding software applications on the go, for quick results with confidence. When you combine its high-performing 64-bit² Intel® Core™2 Duo processor, the improved performance of PCI Express^{*} and fast 800 MHz front side bus, you get efficient execution of instructions and outstanding performance at low power consumption, enabling great battery life.



Intel's second-generation mobile dual-core processor, Intel Core 2 Duo processor, provides over 2x the performance³ for multi-tasking when compared to previous-generation Intel Centrino processor technology notebooks. Best of all, the latest notebooks with Intel Centrino Duo processor technology deliver enhanced performance and improved responsiveness, while delivering great battery life.

Connect to more networks and stay in touch as you move through your day. The optional Intel® Next-Gen Wireless-N gives mobile users higher capacity⁴ while delivering enhanced functionality, letting you adopt such technologies as Voice over Internet Protocol (VoIP) – saving costs by enabling phone calls over the Internet instead of using a standard phone line.

Intel Centrino Duo processor technology features the new Mobile Intel® 965 Express Chipset family. Intel's new platforms deliver exceptional support for Windows Vista^{*} Aero, a graphical interface designed to help users find, view, and organize information. Plus, when running Windows Vista, look for systems with new Intel® Turbo Memory for up to 2x faster performance when loading frequently used applications and up to 20% faster boot time⁵



Thinner, lighter notebooks with great battery life.

Intel Centrino Duo processor technology is available in many notebook designs to fit your needs. Thanks to key components being smaller than previous-generation components, notebooks are lighter than ever and take up less room – so you can take them anywhere. And since mobile technology isn't very helpful if you're always looking for a power outlet, Intel Centrino Duo processor technology features new capabilities that enable great battery life.

Easy to connect and communicate.

Our enhanced communication capabilities keep employees connected to the office, customers, suppliers, and distributors. The new optional Intel Next-Gen Wireless-N supports flexible roaming with advanced wireless access point (AP) selection so you can automatically select and switch to an AP while on the move, to provide better performance and quality of service for collaboration activities – such as VoIP. You'll find that the ability to keep in touch with higher quality VoIP calls on your notebook is a major benefit.

Widen your wireless pipeline.

Intel Centrino Duo processor technology-based notebooks with Intel Next-Gen Wireless-N on a new wireless n⁶ office network let you do more wirelessly at the same time with a better experience than ever. The new wireless n networks speed your data along more than five times faster⁷ than today's 802.11g networks, and widen the wireless coverage around your office. And, Intel Centrino Duo processor technology-based notebooks with Intel Next-Gen Wireless-N are designed to work with existing 802.11a/b/g APs, as well as providing new benefits with wireless n networks.

Intel and leading wireless access point companies such as Buffalo,* D-Link,* and Netgear* are working closely together so that Intel Centrino Duo processor technology and new wireless n networks will work together. Look for the "Connect with Intel® Centrino™" processor technology identifier when buying a wireless AP to ensure compatibility and real-world performance with notebooks based on Intel Centrino Duo processor technology.

Wireless that's safe and secure.

We know security is a concern when you consider notebooks, and we take a very comprehensive approach to counter potential external threats with support for the latest standard wireless LAN (WLAN) security certifications.⁸ To protect information transferred via the WLAN environment, Intel Centrino Duo processor technology supports the latest industry security standards with Wi-Fi for the best available security.⁹ Wi-Fi Alliance WPA* and WPA2* give you the latest encryption, authentication and interoperability.

Step up to built-in manageability and reliability.

For those businesses requiring advanced built-in manageability and proactive security, consider Intel's premium notebook offering – Intel® Centrino® Pro processor technology. New advanced manageability technologies in Intel Centrino Pro processor technology-based notebooks allow you or an IT service provider to manage and secure your notebooks easily. Intel Centrino Pro processor technology enables an IT service provider to remotely isolate a notebook suspected of having a virus from the shared network to prevent further infections, or to remotely repair a notebook on the corporate network, even if it has a non-functioning operating system.¹⁰



Manage and grow your business — no matter what your business.

Empower your people with ease and confidence.

Best of all, you can easily install Intel Centrino Duo processor technology as part of any WLAN adoption, reducing the number of cables and making employee moves or growth-driven reorganization, including expanding to multiple sites, simpler and less of a hardship on your technology spending. If you are already running a WLAN, you can be confident because the integrated WLAN of Intel Centrino Duo processor technology has been verified with many leading WLAN hardware solutions for easy installation with your existing capabilities.

Mobility: A good business move.

Any way you look at it, going mobile makes good business sense. In today's environment, competitive advantage often goes to those able to efficiently access their databases or inventories while in a customer meeting, or on site at a project. Intel Centrino Duo processor technology-based notebooks enables your business to grow by providing you state of the art in mobility and performance. Because Intel Centrino Duo processor technology consists of proven Intel® components, extensively tested and optimized for the mobile environment, maintenance and technical support costs can be minimized. You can enhance stability and reduce costs, which in turn helps your staff focus on more revenue-generating projects. The return on investment can be further measured when you consider the value of just a few hours of increased productivity from each member of your team in one week. And, even with the average notebook initially costing a few hundred dollars more than a desktop, just a few hours of improved employee performance more than make up for it.

“The digital makeover of our business, made possible by the Intel Centrino Duo technology, has allowed us to increase our workload without burdening our employees with more stress.”

— Jacob Johnson, CEO, PREM Group

Top 7 Advantages of Wireless Notebooks in Small Businesses Worldwide (%)

	Overall % from countries surveyed
Seamlessly move within office and connect to network	63
Facilitate office teamwork and employee interaction	59
Be more productive; increase operational efficiencies	54
Be more available to customers	46
Connect to wireless network from home	47
Connect to client's or partner's wireless network	42
Connect to wireless public hotspots	43

Source: AMI Partners, Inc., 2005.

Performance Rich. Energy Smart. Great Business Computing Starts with Intel Inside.

As it helps you to stay competitive and customer focused, Intel Centrino Duo processor technology has been designed with capabilities that can grow your business, and grow with your business. By providing the freedom to be more creative and effective, it is ideal for any industry that wants to unlock its potential, including healthcare, real estate, legal, finance and insurance, manufacturing, retail, and many others.

Healthcare: Move to mobile point of care.

From the ability to access patient information and review lab results in real time to better billing management, Intel Centrino Duo processor technology can increase not only the amount of time spent with a patient, but also the level of patient service overall.

- Simplify maintenance of patient records by allowing clinicians to update them via a notebook or tablet while at the point of care.
- Reduced frequency of charging can help you move among exam rooms more efficiently and with fewer interruptions.
- Ability to view medical images such as CT scans or X-rays at bedside can help explain a diagnosis to a patient.
- Set up a Wi-Fi "hotspot" in the waiting room so patients can work or surf on the Web while waiting.

"I think wireless mobility is very important. It's the next step that we should be doing. I can access it on my computer, my notebook from home, or wherever I am. It makes time from the onset of a rhythm problem to delivering care to the patient so much shorter."

—Tracy Stevens, MD Cardiologist,
St. Lukes Medical American Heart Institute.

Real estate: When location is everything — be everywhere.

To be effective in real estate, it is crucial to be connected to critical information; the ability to respond faster can make or break a transaction. Yet you still want to have a life.

With wireless connectivity, you can access all your tools at one time — which may make you more responsive than ever.

- Answer clients' questions in minutes rather than hours.
- Reduce the complexity of transactions by documenting every step.
- Efficiently manage listings and leads in real time from virtually any location;¹ directly engage people who have been on your Web site.
- Facilitate virtual showings by taking photos of a property, uploading them, and showing or sending an e-mail of them to a client. Or create a map of a location and share it.
- Create animated presentations that differentiate you from your competition and enhance your effectiveness.

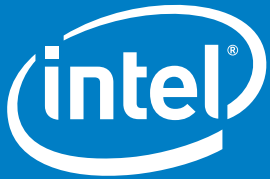
"Wireless mobile computing has given me 2 to 3 more hours of productive time each day. That's time I can spend growing the business and focusing on my clients."

—Nihad Aweidah, Real Estate Broker, Windermere.

Legal: It's a crime not to be mobile.

The flexibility and efficiency you get from a high-performance notebook is invaluable. With remote access to secure, real-time information, you can be more effective in terms of courtroom preparation, client services, and more.

- Get late-breaking trial information from colleagues by instant messaging over the courtroom's WLAN.
- Present evidence more effectively to the jury with a notebook and projector or flat-panel display.
- Enable witnesses to more clearly illustrate key points of their testimony.
- Get real-time transcriptions of testimony from the court reporter's notebook for immediate review and annotation.



Keep your business moving. Wherever you want to take it.

Today, if you are not mobile, you will be left behind. With Intel Centrino Duo processor technology, the bar for speed and efficiency has been raised. Now, there is nothing to hold you or your employees back: Work more efficiently — and simply — and stay connected with your customers, 24/7, as you make technology work for you. With most major PC vendors offering Intel Centrino Duo processor technology-based notebooks, you can have ultimate flexibility and confidence as you move your business forward.

Contact your PC supplier today to see how your organization can experience a higher level of mobility. You can also learn more at intel.com/smallbusiness/mobile.

¹ Wireless connectivity and some features may require you to purchase additional software, services or external hardware. References to enhanced wireless performance as measured by Adjacent Channel Interference (ACI)* refer to comparisons with previous generation Intel® technology. Availability of public wireless LAN access points is limited, wireless functionality may vary by country and some hotspots may not support Linux-based Intel Centrino processor technology systems. See <http://www.intel.com/products/centrino/index.htm> for more information.

² 64-bit computing on Intel architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers and applications enabled for Intel® 64 architecture. Processors will not operate (including 32-bit operation) without an Intel® 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. Consult with your system vendor for more information.

³ As measured by SPEC® CPU2006 comparing latest generation Intel® Core™2 Duo Processor T7700 & T7100 with a comparable frequency single core Intel® Pentium® M Processor. Actual performance may vary. See <http://www.intel.com/performance/mobile/benchmarks.htm> for important additional information.

⁴ Requires Intel® Next-Gen Wireless N technology and Connect with Intel® Centrino® processor technology certified wireless n access point. Wireless n access points without the Connect with Intel Centrino technology processor identifier may require additional firmware for increased performance results. Check with your PC and access point manufacturer for details.

⁵ Tests run on customer reference boards and preproduction latest generation Intel® Centrino® processor technology with optional Intel® Turbo Memory enabled against like systems without Intel® Turbo Memory. Results may vary based on hardware, software and overall system configuration. All tests and ratings reflect the approximate performance of Intel products as measured by those tests. All testing was done on Microsoft Vista® Ultimate (build 6000). Application load and runtime acceleration depend on Vista®'s preference to pre-load those applications into the Microsoft ReadyBoost® cache. See <http://www.intel.com/performance/mobile/benchmarks.htm> for more information.

⁶ Wireless n refers to products based on the latest draft specification of IEEE 802.11n standard. 802.11n is currently in the process of being formally ratified in IEEE.

⁷ Up to 2x greater range and up to 5x better performance with optional Intel® Next-Gen Wireless N technology enabled by 2x3 Draft N implementations with 2 spatial streams. Actual results may vary based on your specific hardware, connection rate, site conditions, and software configurations. See <http://www.intel.com/performance/mobile/index.htm> for more information. Also requires a Connect with Intel® Centrino® processor technology certified wireless n access point. Wireless n access points without the Connect with Intel Centrino processor technology identifier may require additional firmware for increased performance results. Check with your PC and access point manufacturer for details.

⁸ Some features and security solutions may not be supported by your PC's operating system and may require additional software and/or certain hardware as well as wireless LAN infrastructure support. Check with your PC manufacturer for details.

⁹ Wireless functionality may vary by country, and Wi-Fi certification is not supported on Linux-based Intel Centrino processor technology notebooks. Check with your PC manufacturer for details.

¹⁰ Intel® Centrino® Pro processor technology includes powerful Intel® Active Management Technology (Intel® AMT). Intel AMT requires the platform to have an Intel AMT-enabled chipset, network hardware and software, as well as connection with a power source and a corporate network connection. With regards 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 <http://www.intel.com/technology/manage/amt>.

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