



Help your customers harness the power of this mobile age.



Introducing the new Intel® Centrino™ mobile technology. Intel Centrino mobile technology combines Intel's best technologies for notebooks. It delivers outstanding mobile performance, great battery life, integrated wireless LAN capability and thin and light notebook designs. For the business-minded, Intel Centrino mobile technology-based notebooks enable users to be responsive and in touch while utilizing their most important applications. For the entertainment-minded, the possibilities are virtually endless – playing games, watching DVDs, listening to music, and managing and editing photos, among many other creative options. New enhancements to the processor, chipset and integrated wireless LAN capability plus support for new memory technology, graphics and audio take mobile computing to the next generation. Get to know the new Intel Centrino mobile technology-based notebook PCs and extend the freedom of mobility to all your customers.



Platform Brief

Put more power and performance inside every notebook PC.

Platform	Intel Centrino mobile technology-based platform ('03-'04)	Intel Centrino mobile technology-based platform ('05)	Key Selling Point
CPU	Intel® Pentium® M Processor (400 MHz Front side bus)	Intel® Pentium® M Processor (up to 533 MHz Front side bus)	Better able to run demanding applications
Chipset	Intel® 855 Chipset Mobile	Intel® 915 Express Chipset	Improved performance
Wireless	Intel® PRO/Wireless 2200BG Network Connection	Intel® PRO/Wireless 2915ABG Network Connection	Greater wireless LAN connection flexibility*
Memory technology	DDR1 200/266/333MHz	Dual Channel DDR2 400/533 MHz	More performance
Graphics support	Intel® Extreme Graphics 2	Intel® Graphics Media Accelerator 900	High quality graphics, without requiring discrete graphics
Input/Output support	PC Card support	ExpressCard* based on USB/PCI Express*	Enables faster system response
Hard drive technology	Standard IDE	Serial ATA	Performs better
Audio capability	AC '97	Support for Intel® High Definition Audio	Premium sound quality

Intel® Centrino™ mobile technology-based notebook PCs deliver what your customers want.

Feature	Benefit
Intel® Pentium® M Processor	Power optimized 533 MHz processor system bus provides up to 33% faster transfer rate than previous generation for increased performance.
Support for Intel® Mobile Voltage Positioning (Intel® MVP IV)	Dynamically lowers voltage based on processor activity to lower thermal design power enabling smaller notebooks.
Support for Enhanced Intel SpeedStep® technology w/ multiple voltage & frequency operating points	Allows matching of performance to application demand.
Optional Execute Disable Bit Support ^{††}	When combined with a supporting OS, helps block certain viruses that try to use memory buffer overflow to attack a client PC.
Intel® Graphics Media Accelerator 900	Graphics core delivering 2X the graphics performance of the Mobile Intel® 855GME chipset. Provides a high quality, stable and cost-effective solution.
Support for Dual Channel DDR2 400/533 MHz memory ¹	60% improvement in peak bandwidth from DDR-333 to DDR2-533.
PCI Express Bus Architecture ¹	Delivers 2X I/O bandwidth for improved system, application performance & smooth multimedia performance.
Integrated high speed USB 2.0	Support for up to 8 USB 2.0 ports for maximum 40X faster data transfer rate.
Serial ATA hard drive interface ¹	Enables up to 150MB/s transfer rate for disk traffic & provides aggressive link power management functionality.
Intel® Display Power Saving Technology 2 (Intel® DPST2)	Reduces display backlight power by up to 400mW with minimal visual impact.
Intel® High Definition Audio ¹	Can support DTS, THX, and all Dolby technologies for a premium home theater experience. Multi-streaming capability enables support for separate audio channels with independent audio streams to different devices.
Dual band dual-mode 802.11b/g and tri-mode 802.11a/b/g Wi-Fi CERTIFIED* wireless LAN support [^]	Flexibility to connect to most available industry standards-based WLAN (802.11b, 802.11a & 802.11g) infrastructure.
Intel Centrino mobile technology with Intel® PRO/Wireless 2915ABG Network Connection provides industry standard wireless LAN security support (such as 802.1X, WEP, WPA*, WPA2*, 802.11i, and AES) [§]	Based on PC manufacturer's availability, enables enhanced wireless LAN security in compliance with evolving industry standards.
Support for Cisco* Compatible Extensions (such as LEAP, EAP-FAST and CKIP) [§]	With Intel® PROSet/Wireless software version 9 ^o and based on PC manufacturer's availability and validation, enables interoperability with latest Cisco* WLAN infrastructure.
Intel® PROSet/Wireless software version 9 ^o with: <ul style="list-style-type: none"> • Intel Smart Wireless Solutions • Improved network adapter user interface • Single sign on^o • Security Assistant • Wireless troubleshooter • Wi-Fi Multimedia (WMM^Δ) support 	Makes it easier to connect to wireless LANs and manage WLAN connections. ⁺

Ensure your customers get Intel's best technologies for notebooks.

Intel Centrino mobile technology delivers on-the-go computing performance to meet the needs of your business and personal use customers. It combines tested and tuned Intel technology in a mobile platform that is ideal for today's popular applications and tomorrow's most impressive new tools. This unmatched combination of features and benefits make Intel Centrino mobile technology your best choice for out-of-the-box usability and worry-free customer satisfaction.

Learn more at intel.com/ebusiness/mobile

¹ Optional feature. Check with your PC manufacturer for availability.

⁺ Wireless connectivity and some features may require you to purchase additional software, services or external hardware. 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 mobile technology systems. System performance measured by MobileMark™ 2002. System performance, battery life, wireless performance and functionality will vary depending on your specific operating system, hardware and software configurations. See http://www.intel.com/products/centrino/more_info for more information. *Other names and brands may be claimed as the property of others.

^{††} Enabling Execute Disable Bit functionality requires a PC with a processor with Execute Disable Bit capability and a supporting operating system. Check with your PC manufacturer on whether your system delivers Execute Disable Bit functionality.

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

[§] Some 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.

^o Intel® PROSet/Wireless software version 9 supports only Intel Centrino mobile technology based notebooks with Intel® PRO/Wireless 2200BG Network Connection and Intel® PRO/Wireless 2915ABG Network Connection and may not be supported by your PC's operating system and/or by your PC manufacturer. Some features may require specific hardware configurations. Check with your PC manufacturer for details.

^Δ WMM™ CERTIFIED™ support requires WMM-enabled software and access points and may require a PC software upgrade. May have varying operating system requirements. Check with your PC manufacturer for details.

Copyright © 2005 Intel Corporation. All rights reserved. Intel, Intel logo, Intel Inside logo, Intel Centrino, Intel SpeedStep, and Pentium are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries. * Other names and brands may be claimed as the property of others.