

One-Stop Sales Guide to Intel® Mobile Processors



No Compromise
Portability,
Performance,
Power Management

Mobile Pentium® III Processor Featuring
Intel® SpeedStep™ Technology

Two performance modes for optimized performance and all the benefits of mobility

- **Maximum Performance mode** at 850 and 800 MHz:
Near desktop equivalent performance while connected to AC power.
- **Battery Optimized mode** at 700 and 650 MHz:
The best balance between performance and battery life, while maintaining 80% of maximum performance.

Maximum portability with power efficiency

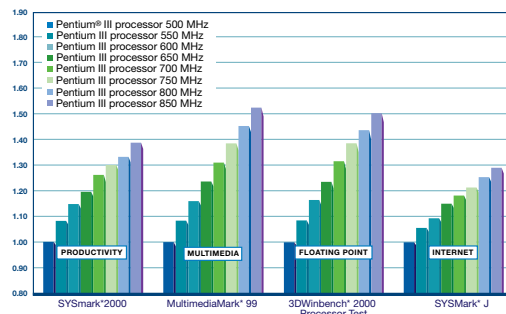
- Featuring low-voltage 600-MHz processor with Intel® SpeedStep™ technology.
- Enables ultra-portable PCs to combine thin and light size with powerful performance.

Power management improves mobility, enabling productivity in meeting rooms and on the road

- Micro PGA and BGA packaging make possible the thinnest and lightest notebooks at affordable prices.

High-performance e-Business on a mobile PC with wireless data capabilities

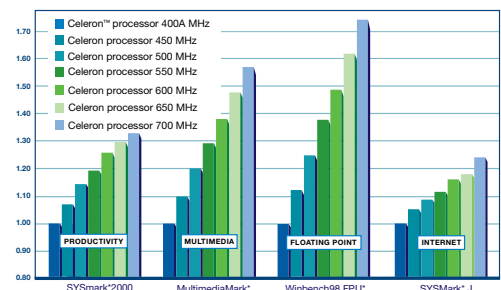
- Over 70 Internet Streaming Single Instruction Multiple Data (SIMD) Extensions heighten multimedia performance.
- 100-MHz system bus performance enables faster access to memory and data.
- Performance enhanced through Advanced Transfer Cache with 256K full-speed, on-die L2 cache.
- New 0.18-micron technology provides exceptional battery life through low power consumption, allowing complex applications to run smoothly and quickly.
- Mobile Pentium® III processor running at 850 MHz offers a 29% to 52% performance improvement over a mobile Pentium III processor running at 500 MHz on most industry benchmarks.¹



Great Quality
and Reliability
for the Value
Segment

Mobile Intel® Celeron™ Processor

- Designed for the value-minded customer to handle everything from educational and multimedia applications to the Internet.
- Internet Streaming Single Instruction Multiple Data (SIMD) Extensions heighten performance to enable you to explore, learn and shop on the Internet.
- 100-MHz system bus performance enables faster access to memory and data.
- New 0.18-micron technology now offered in this value segment.
- Includes 128K on-die Level 2 cache for increased performance.
- Increased performance while maintaining battery life (QuickStart technology).
- New micro PGA and BGA packaging for the thinnest and lightest systems ever.
- Mobile Intel® Celeron™ processor at 700 MHz offers a 23% to 74% performance improvement over a mobile Celeron processor 400A MHz (low-voltage for ultra-portable PCs) on most industry benchmarks.²



Intel® Mobile Processors
Are Specifically Designed for
Mobile PCs — Here Is Why:

Performance

Intel® mobile processors have unique mobile specifications that deliver high levels of performance.

Battery Life

Intel mobile processor-based PCs are designed to save power and provide exceptional battery life.

Small Packages

Intel mobile processors come in special miniature packages designed to keep cool in small spaces so that you won't need noisy, bulky fans in your PC.

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intel®

Today's Intel processor-based notebooks provide more portability and affordability for business users, consumers and students

Unleash the power of the Internet anytime, anywhere

- **Work:** Provides the tools you need for e-Business while mobile: high-speed Internet access and wireless data capabilities
- **Learn:** Get more out of interactive learning with detailed illustrations, streaming video and rich Internet content in the office, in class, at home or just about anywhere.
- **Shop:** Get more from shopping through a rich and realistic environment wherever you connect.
- **Entertain:** Download .mp3 music files faster from the Internet, play rich video games and enjoy smooth DVD movies anytime, anywhere.

Provide the performance you need for your daily tasks

- Enhanced performance to enable smooth graphics, video and audio when multitasking with office productivity applications and streaming Internet content.
- Provides dial-up 56Kb/s v.90 modems and wireless access options for fast, reliable Internet connections
- Pentium III processor-based notebooks are optimized for the latest high-end features, such as high-capacity hard drives, high-quality large screens, USB ports, and DVD and 24X CD-ROM drives.

Maximize productivity

- Improve meeting effectiveness, and work from home or on the road.
- Increase productivity with data sharing, video conferencing and online collaboration over the Internet with a mobile PC.
- QuickStart feature maximizes battery life so you can become more productive.

Communicate remotely

- Stay in touch with the office and customers via wireless e-mail or a phone line.
- Stay connected with family and friends with smooth real-time video conferencing and rich Web pages when you travel.

A more secure, efficient enterprise

- More secure and productive system management of mobile PCs to help maintain e-Business integrity.
- Enables background de/encryption and de/compression over the Internet for a healthy enterprise.
- Intel's Wired for Management (WfM) initiative makes mobile PCs easier to configure, support, and upgrade, thereby reducing the total cost of ownership.

A secure investment

- Mobile Pentium® III processors provide more capabilities for Windows® 2000, Windows® Me and Office® 2000.

Total benefits of ownership far outweigh the costs

- Mobile Pentium III processor-based notebooks have achieved their highest mobile performance ever, leading to increases in user productivity.
- Worldwide, companies such as Microsoft Europe, Nokia and Grupo Nacional Provincial Insurance of Mexico are rapidly transitioning to mobile PCs. They are in high-growth, rapidly changing industries that demand customer responsiveness.

Quality. Reliability. Portability.

Visit the Intel® e-Business Center at www.intel.com/eBusiness for the information, products and services that drive the Internet economy. To learn more about Intel mobile processors, visit our Web site at www.intel.com/mobile.

This document is also available on Intel's Web site at: <http://oem.intel.com/oem/mobile/directsales.htm>
Username: oem Password: toolbox

Look for the Intel Inside® logo

Intel has been leading the world in computing technology and microprocessor development for over 25 years. The processors are built on Intel's tradition of mobile technology innovation and provide superior system functionality for demanding users. The Intel Inside® symbol is your assurance of exceptional quality, reliability and portability.

Mobile computing

For information on Mobile PC Buyers Guide and Mobile PC technologies and solutions, visit www.intel.com/mobile

*Source: Intel® Pentium® III processors were tested on a commercially available mobile Intel® Pentium® III processor-based mobile PC. System configurations as follows: OEM A, System 1 with 256K of on-die L2 cache, 128 MB SDRAM 100, Toshiba® CD XM-1902B 24X, 440BX chipset with processor system bus running at 100 MHz, ATI® Rage® Mobility-M1 AGP2x graphics controller, 4.8-GB IBM® hard disk drive, ESS® Maestro®-31 Sound Card, DirectX® version 7.00G and Windows® 98 SE OS.

*Normalized to mobile Intel Celeron™ processor 400 MHz. Mobile Intel Celeron processors were tested in OEM B, System 1 with 128K of on-die L2 cache, 64MB SRAM, SD-C2202 DVD-ROM, 440BX chipset, Neomagic® 256ZX graphics controller, IBM® 10-GB hard disk drive, DirectX® 7.00G and Windows® 98.

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