Reference Guide to Mobile Computing

New speeds for the mobile Pentium® III processor featuring Intel® SpeedStep™ technology and the mobile Intel® Celeron™ processor

September 2000

Introduction

With the new Intel® mobile Pentium® III processor now up to 850 MHz, Intel processor-based mobile PCs are reaching new heights of computing performance. The mobile Pentium III processor joins the mobile Pentium® II processor and the mobile Intel® Celeron™ processor to form a powerful family of Intel mobile processors that help businesses and individuals obtain high-performance computing capabilities, optimized battery life and enhanced Internet use. When selecting an Intel processor-based mobile PC for business, home or student use, you can choose from a wide variety of sizes, shapes and systems at affordable prices. New Intel mobile processor-based PCs provide exciting and powerful technology so you can conduct anytime, anywhere computing.

This *Reference Guide* provides the latest information about mobile PC technology and is designed to be a valuable resource whether you are marketing, selling or buying a mobile PC.

Contents

Value of Mobility

In an ever-changing global world, the need for mobile computing is expanding. Whether you're an executive on a transatlantic flight, a sales manager downloading the latest product description from the Internet or a student preparing a class report, the flexibility of mobile computing is essential to success. And with advancements in power optimization, remote management software and hardware price reductions, whether you are buying a single notebook for your small business or outfitting an entire fleet, there's no better time than now to join the mobile force.

Key Benefits

- **Increased flexibility.** New processing performance and improved power optimizations let users perform advanced transactions on or off the Internet, anytime, anywhere.
- **Increased productivity.** Users can compute when and where they want, taking advantage of previous lost time. Just a few hours a week—during commute time, in between client meetings or at the airport—quickly compensate for the expense of a mobile PC.
- **A better quality of life.** Today's users juggle a lot of responsibilities and time commitments. The flexibility of mobile PCs lets users compute at the time and location that is best for them.
- **Improved communications and data access.** Through a dial-up phone line or over a wireless connection, users can keep in constant contact with the office, clients or their homes, improving communications and ensuring access to critical data on the Internet and company intranets.
- **Enhanced remote manageability.** New remote management software and compliance with the Wired for Management (WfM) initiative make managing a mobile PC efficient and cost-effective. Monitoring, configuring, troubleshooting and deploying new software can be completed from the convenience of one remote, central location.

Why Intel Microprocessors?

Intel has been a leader in computing technology for more than 25 years. From the introduction of its first microprocessor, the Intel 4004, to the highest performance mobile Pentium® III processor, Intel has helped set the pace in microprocessor advancement.

Today, Intel supplies the computing industry with microprocessors that power advanced computing systems, offering more performance with each generation. More than 200 million systems are powered by Intel processors, making the Intel Inside® logo known all over the world. Intel is the top manufacturer of semiconductors worldwide and also a leading designer of networking and communications products.

Look for the Intel Inside® Logo

The processor is the brain of the PC, and Intel microprocessors are the primary ingredient in most of the PCs worldwide. The Intel Inside® logo on the outside of a PC means a genuine Intel processor on the inside.

PC buyers look for the logo because it certifies the origin of the processor and stands for quality, reliability, software compatibility and investment protection. Because the logo is prominently displayed on most leading PC systems and in thousands of TV and print ads, system selection is easy for PC purchasers. And because there is a large installed base of Intel architecture-based systems, hundreds of software developers write, test and design their applications for Intel processor-based PCs.

Mobile Pentium® III Processors

Intel's High-Performance Mobile Processor and the Power of the Net—Anytime, Anywhere

Intel's new mobile Pentium® III processor provides the power to conduct high-performance computing anywhere and to engage the potential of the Internet anytime.

Wherever and whenever you're ready to do e-Business, all the tools you need are portable: you can now access information, transfer data, communicate with clients and colleagues, and conduct transactions around the globe at speeds of up to 850 MHz.

Revolutionary 0.18-micron process technology, 256K Advanced Transfer Cache, 100 MHz processor system bus performance and Internet Streaming Single Instruction Multiple Data (SIMD) Extensions result in great computer performance, brilliant image and audio downloads, optimized battery life and thinner, lighter mobile PCs.

The greater performance and power of a mobile Pentium III processor-based PC dramatically enhance productivity on and off the Internet. Anytime, anywhere.

processors

Mobile Pentium® III Processors

No Compromise Portability, Performance and Power Management

- Speeds of 850, 800, 750, 700, 650, 600 and 500 MHz deliver superior performance. A mobile Pentium® III processor running at 850 MHz offers a performance improvement of 29%–52% over a mobile Pentium III processor running at 500 MHz on most industry benchmarks.†
- Intel® SpeedStep™ technology provides the best balance between high performance and battery optimization.
- 70 Internet Streaming Single Instruction Multiple Data (SIMD) Extensions heighten performance for streaming multimedia and graphics applications on and off the Internet.
- Revolutionary 0.18-micron process technology on the 850, 800, 750, 700, 650 and 600 MHz versions reduces power consumption and provides the technology for future performance gains.
- New low-voltage 500 and 600 MHz versions provide excellent performance and energy efficiency for the latest ultra-portable PCs.
- 100 MHz processor system bus performance enables faster access to memory and data.
- New Advanced Transfer Cache has 256K full-speed, on-die L2 cache for enhanced performance.
- QuickStart technology conserves power for better battery life.
- Over 28 million transistors on the mobile Pentium III processor provide more power in less space.
- Wired for Management (WfM) compliance helps to improve mobile PC manageability and reduces Total Cost of Ownership (TCO).
- New Micro PGA and BGA packaging make possible the thinnest, lightest mobile PCs.
- Compatible with Windows* 98, Windows NT*, Windows 2000* and Windows* Me
- From ultra-portable PCs to full-sized mobile PCs, a variety of sizes, weights and configurations are available at affordable prices.

†Source: Intel. These performance numbers were obtained by testing commercially available mobile Intel® Pentium® III processor-based mobile PC. The system configurations are the following: OEM A, System 1 with mobile Intel Pentium III processors 850, 800, 750, 700, 650, 600, 550 and 500 MHz were tested with 256K of on-die L2 cache, 128MB 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 7.00G and Windows 98 SE OS.

Key Benefits

- Acquire enhanced Internet and intranet performance for real-time data connectivity, remote collaboration and Web-enabled processing.
- Customize performance and battery optimization to suit your application and strategic needs.
- Analyze and process complex spreadsheets and databases. Manipulate stand-alone text.
- See smoother and faster graphics, including 3D rendering for graphically rich and interactive presentations.
- Get an increased frame rate for smoother video, deeper color, enlarged image size and greater responsiveness.
- Download video faster and experience rich colors, better resolution and more realistic scenes and lighting.
- Download audio faster and obtain clearer sound quality.
- Boost the data transfer rate from music CDs to your hard disk as well as generate faster downloads of MP3 files.
- Produce Web pages using Internet Streaming SIMD Extensions for better quality and faster refresh rate.

Technology	Pentium® III processor
Speeds	450, 500, 600, 650, 700, 750, 800, 850 MHz
Intel® SpeedStep™ technology	Yes: 600 and above MHz only
Low-Voltage technology	Yes: 400, 500, 600 MHz only
Internet Streaming SIMD	Yes
Processor system bus	100 MHz
Integrated Level 1 cache	32K
Advanced Transfer cache	Yes
On-die Level 2 cache	Yes
QuickStart	Yes
Package type	• 400-Pin Mobile Module (MMC2) • Ball Grid Array (BGA) • Micro PGA (Pin Grid Array)
Process technology	0.18-micron technology
Manageability features	Yes

processors

Mobile Intel® Celeron™ Processors

Great Quality and Reliability for Mobile Computing

The mobile Intel® Celeron™ processors, now at speeds up to 700 MHz, provide great performance at an affordable price. Mobile Celeron processors meet the mobile computing needs of businesses and consumers alike. Business people can run the latest PC applications from the office or on the road. Intel's revolutionary 0.18-micron process technology for Celeron processors running at 700, 650, 600, 550, 500, 450 MHz, as well as low-voltage 500 and 400 MHz (for ultra-portable PCs) provides exceptional battery life, allowing complex applications to run smoothly and quickly. Interactive learning and entertainment can be an integral part of family life, in the living room or on a vacation. A mobile Intel Celeron processor-based mobile PC provides reliable Internet connections and access to e-mail anytime, anywhere.

- Speeds of 700 MHz deliver excellent performance. A mobile Celeron processor running at 700 MHz offers a 23%–74% performance improvement over a mobile Celeron processor running at 400 MHz on most industry benchmarks.†
- 128K on-die L2 cache provides increased performance.
- Intel's MMX™ media enhancement technology improves the Internet experience with smooth graphics and rich sound and video.
- New 0.18-micron process technology reduces power consumption and provides the technology for future performance gains.
- Over 70 Internet Streaming SIMD Extensions heighten performance for multimedia and graphics applications.

†Source: Intel. These performance numbers were obtained by testing a mobile Intel® Celeron™ processor on a commercially available mobile Intel Celeron processor-based mobile PC. The system configurations are the following: OEM B, System 1 with mobile Intel Celeron processors at 700, 650, 600, 550, 500, 450 and 400 MHz were tested with 128K of on-die L2 cache, 64 MB SRAM, SD-C2202 DVD-ROM, 440BX chipset, Neomagic* 256ZX graphics controller, IBM* 10-GB hard disk drive, DirectX* 7.00G and Windows* 98.

Key Benefits

- Enhanced computing power to manage today's popular business, multimedia, educational and home applications, and access the Internet.
- Smooth graphics and multimedia for rich interactive presentations, and excellent video and sound.
- Enhanced Internet and intranet performance for real-time data connectivity, remote collaboration and Web-enabled processing.
- Outstanding performance at exceptional value for businesses and consumers.
- Support for Windows* 98, Windows 2000* and Windows* Me.

Technology	Intel® Celeron™ processor
Speeds	450, 500, 550, 600, 650, 700 MHz
Low-Voltage technology	400, 500 MHz
MMX™ technology	Yes
Processor system bus	100 MHz
Integrated Level 1 cache	32K
On-die Level 2 cache	Yes
QuickStart mode	Yes
Package type	• 280-Pin Mobile Module (MMC1) • 400-Pin Mobile Module (MMC2) • Ball Grid Array (BGA) • Micro PGA (Pin Grid Array)
Process technology	• 0.18-micron technology
Manageability features	Yes

technologies

Mobile PC Displays and Graphics

Aside from the processor, the display is one of the most important mobile PC features. When choosing the type of display for your mobile PC, consider the size of the viewing area, screen resolution and display type.

Displays of full-sized mobile PCs are currently available in sizes ranging from 12.1 inches to 15 inches. For ultra-portable PCs common sizes are 10.4 inches and 11.3 inches. In most cases, the size of the display screen affects the form-factor size of the mobile PC. A large display size results in a larger form factor for the mobile PC.

AGP

The Accelerated Graphics Port (AGP) in Pentium® III processor systems is another technology of which you should be aware. It results in faster and better graphics to AGP-optimized application software, especially 3D graphics, and can allocate and manage memory more appropriately. With AGP-targeted applications, you see more texture, more detail and higher screen resolution at higher frame rates.

Capabilities (AGP)

Display Type

The three most common types of mobile PC displays are:

- TFT
- DSTN
- HPA

TFT (Thin Film Transistor)

TFT, or active-matrix, displays provide excellent contrast and scrolling speed because the screen is refreshed more frequently than in DSTN displays. The fast response time and high contrast ratio result in display quality that is superior to DSTN or HPA. TFT displays can be viewed clearly from just about any angle. Their superior display quality enhances multimedia presentations.

DSTN (Double-Layer Super Twist)

DSTN displays are much more affordable than TFT screens but produce a lower quality picture than active-matrix displays. DSTN displays have double the response time (time to form screen graphics) of TFT displays and only half the viewing angle capability. Contrast ratio (or picture sharpness) for DSTN displays is also significantly lower than for TFT. DSTN uses less power than TFT.

Common Mobile PC Resolutions

Name	Stands for	Resolution (pixels)
VGA	Video Graphics Array	640 x 480
SVGA	SuperVGA	800 x 600
XGA	Extended Graphics Array	1,024 x 768
SXGA	SuperXGA	1,280 x 1,024
SXGA+	SuperXGA+	1,400 x 1,050

HPA (High-Performance Addressing)

The most exciting news in screen technology is HPA, also known as Fast DSTN, HCA (for high-contrast addressing) and Super DSTN.

It is an improved version of DSTN that offers a faster response time, higher contrast ratio and wider viewing angle. This is an ideal solution for many mobile PC users and is poised to replace DSTN in mid-range and value mobile PCs. It provides better viewing than a DSTN display at a better price than TFT.

Comparison of Mobile Screen Technologies

	Response Time	Contrast Ratio (+/- degrees)	Viewing Angle
DSTN	300ms	25:1	20°
HPA	150ms	35:1	25°
TFT	80ms	100:1	45°

technologies

Mobile PC Storage Technology

Today's mobile PC storage technology provides active professionals with greater data storage performance and device flexibility than ever before. Previously limited to high-end desktop systems, many leading mobile PCs now enjoy abundant hard drive space, faster CD-ROM access, DVD compatibility, numerous forms of removable storage and built-in system features for variable configurations. When combined with powerful Intel mobile processors, these devices can result in superior computing productivity anytime, anywhere.

HARD DRIVES

Advanced mobile PC hard disk drives are an important factor in system performance. As operating systems and software applications become more sophisticated and consume more disk space, it is important that mobile PCs have fast storage capacity—and plenty of it. Leading manufacturers are now meeting these needs.

Technology Highlights

- Mobile PC storage capacity from 3.2 GB to 24 GB.
- Compact and energy-efficient 2.5" form factors.
- Disk access rates as fast as 8.5ms.

Key Benefits

- Improved performance from disk-intensive business suite, graphics and multimedia applications.
- Unprecedented performance for stand-alone mobile database processing.

CD-ROM DRIVES

CD-ROM drives have become an essential feature for mobile computing. This is because CD technology provides generous storage capacity at affordable prices and has become the preferred format for commercial software distribution. The latest CD-ROM drives now include new advanced features.

Technology Highlights

- High-speed variable transfer rates of up to 24 times (24x) that of original CD-ROM drives.
- Data memory buffers of up to 512K RAM.
- Compatible with audio compact discs.
- CD-RW technology for high-capacity removable storage.

Key Benefits

- Faster CD-ROM performance results in improved access to large databases.
- Smooth playback of motion video.
- Enables sales professionals to deliver complex, interactive multimedia presentations.

DVD DRIVES

Innovative Digital Video Drives (DVDs) are one of the latest developments in high-capacity storage device technology. These drives have nearly 10 times the data storage capacity of CD-ROM drives.

Technology Highlights

- Disk capacity of 4.7 GB (single-sided) and 17 GB (double-sided/dual-layered).
- Data transfer rates of up to 10.8 MB/sec. (DVD media) and 3.6 MB/sec. (CD media).
- Capable of reading conventional CD-ROM discs.

Key Benefits

- Enhanced storage capacity for dramatically expanded multimedia, database and video content.
- Compatible with CD-ROM discs.
- Able to play DVD-based, full-length feature films.

HIGH-DENSITY EXTERNAL DISK DRIVES FOR MOBILE PCs

When you're on the go, space is a precious commodity. A mobile high-density disk drive provides fast and efficient storage capacity for a mobile PC and provides the capability to quickly and efficiently back up data or transfer large files.

Technology Highlights

- Optimized power usage, drawing little from the mobile PC battery.
- Faster disk access than an external drive connection, such as SCSI.

Key Benefits

- Greater flexibility and saves space.
- Quick and easy backup.
- Allows for the transfer of large files.

technologies

Mobile PC Battery Technology

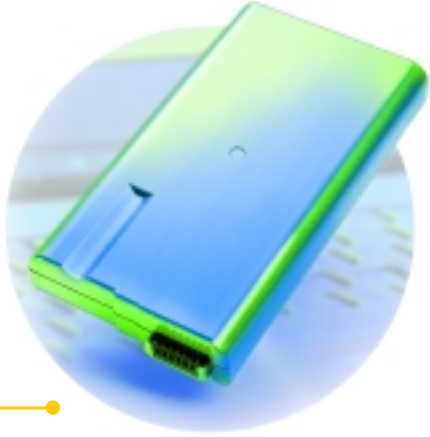
Today's advanced mobile PCs depend upon reliable and efficient sources of power in order to deliver portable productivity. To meet this growing challenge, mobile PC batteries take advantage of several battery and mobile system technologies.

There are two types of batteries currently used by mobile PC manufacturers:

- Advanced Lithium-Ion (Li-Ion) batteries are often used because of their high voltage, low weight and improved energy density that contributes to the reduction of mobile PC size and weight. In addition, Li-Ion batteries experience nearly no self-discharge and, like NiMH batteries, produce no memory effect.
- Practical Nickel-Metal-Hydride (NiMH) batteries are a choice for mobile PCs because they provide good performance at affordable prices. In addition, batteries using a NiMH composition do not suffer from the "memory" effects that can degrade battery performance.

Both of these battery types can utilize the Smart Battery System.

- The Smart Battery System (SBS), jointly developed by Intel and Duracell, allows battery life to be measured at 98+% accuracy levels. SBS-compatible systems are also able to utilize batteries of any chemistry type.



Mobile Power Management

The Key to Creating High-Performance, Feature-Rich Mobile Computers

Mobile PCs need to be power-managed to provide the latest in high-performance features and optimized battery life. Fitting all that performance into a small mobile PC also tends to heat things up quickly. As a result, designers use fans and other techniques to make sure the system doesn't become too hot to operate efficiently.

One of the best ways to keep a computer cool and extend battery life is to avoid generating the heat in the first place. Since the computer is made up of hardware, applications and the operating system, mobile PC designers focus on all these areas to reduce power consumption while maximizing performance:

- **Mobile Processors**
  Intel mobile processors are designed specifically for mobile PCs and use the latest Intel technology to maximize performance while minimizing power consumption and conserving battery power. Intel's QuickStart feature on the mobile Pentium® III processor, mobile Pentium® II processor and mobile Intel® Celeron™ processor helps mobile PCs minimize power usage and maintain battery life.
- **Platform Hardware**
  For dramatic savings, mobile manufacturers create components with the lowest possible voltage levels. Many Intel products use features such as "clockgating" to reduce power in circuits when they are not in use. Intel mobile processor-based systems also enjoy additional power savings through the usage of the Intel Mobile Voltage Positioning (IMVP) Voltage Regulation Technology.
- **Operating System**
  The use of ACPI and OS-directed power management places devices temporarily into low-power "sleep" modes.
- **Applications**
  "Power-friendly" applications allow the CPU to use low-power "sleep" modes between user instructions. Intel provides a variety of tools and guidelines to help designers create low-power, high-performance systems.

technologies

Managing Mobile PCs

As users take advantage of mobile computing, IT managers face the challenge of managing an increasingly large number of mobile PCs. Now, through increased performance, management features of many mobile Pentium® III processor-based PCs and the wide range of management software that embraces an industry initiative called Wired for Management (WfM), IT managers have the tools they need to remotely control and maintain mobile PCs, and lower the Total Cost of Ownership (TCO):

- **Maintain systems and troubleshoot problems remotely from one central location.**
  With WfM-enabled systems and remote helpdesk capabilities, support personnel can work from a central location to service mobile PCs around the world.

- **Deploy software and update systems.** Administrators can automate routine maintenance to occur in the background or at non-use times. Remote wake-up enables a mobile PC to be awakened from an Advanced Configuration and Power Initiative (ACPI) sleep state so that an administrator or software can easily perform routine administrative tasks such as virus checking or software upgrades. For new users, Universal Network Boot lets the system administrator easily load an operating system and required applications onto blank hard drives remotely.

- **Manage assets.** Built-in instrumentation, coupled with management software, enable mobile PCs to report configuration information when connected to a LAN and also when remotely connected via a telephone line. An administrator can track hardware configurations, swappable devices in use and software components.

WfM features:

The Wired for Management (WfM) specification outlines a minimum level of management capabilities for all mobile, desktop and server systems:

- **Dynamic device support.** When removable devices such as disk drives and CDs are swapped through ports on mobile PCs, they are recognized as attached or missing, without causing problems with the management software.

- **ACPI power-management ready.** ACPI transfers power management to the operating system, enabling improved software-based power management.

- **Remote wake-up.** WfM-compliant mobile PCs can be awakened for off-hours maintenance and automated software upgrades while docked on a LAN or via a dial-up connection.

technologies

Mobile Communications Environn

Mobile PCs aren't just computing tools—they are powerful communications that enable mobile professionals to stay connected wherever their work takes them. Intel and others have enabled current innovations and are developing future technologies to make mobile data communications easier and faster.

Wired Communications

Now, the most common way for mobile PC users to connect to the Internet is via modem. Modem speeds of 56Kbp/s are available throughout the world and allow users to take advantage of the Internet's rich content and experience. In the office, mobile PCs have uncompromised network connectivity via 10/100 Ethernet.

The next generation of wired broadband access—cable modems and DSL connections—is becoming more widely available. With these broadband connections, you no longer have to dial in to the network. Instead, the network is always available and you can achieve 1.5 Mbps data transfer rates that are 20 times faster than current 56Kbp/s connections.

Virtual Private Networks (VPNs) enable users to avoid long distance calls and experience higher date rates by connecting to any local Internet service provider (ISP) to access corporate information. VPN technology provides protected, private connections over the Internet that protect e-mail and files from interception or misuse.

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Wireless Communications

Wireless connections via digital mobile phones, fixed wireless technologies and personal connectivity technologies such as Bluetooth* allow anytime, anywhere access to information previously available only through a wired connection.

Digital Mobile Access

Digital mobile phone networks now carry data as well as voice traffic, making it possible to connect a data-enabled wireless phone to a mobile PC via a PC card and check e-mail or browse the Internet.

Fixed Wireless Technologies

Wireless local area networks (WLANs) allow for a wireless, radio-frequency connection of up to several hundred feet between the client (a mobile PC, for example) and the WLAN backbone. Used for years in industries such as warehousing, retail and healthcare, WLANs are now in offices and homes. Mobile PC users get improved access to shared data, such as in office meetings and at conferences.

In the near future, technologies such as Multichannel Multipoint Distribution Services (MMDS) and Local Multipoint Distribution Services (LMDS) will bring high-speed wireless communications to individuals and corporations without requiring a wired infrastructure.

Bluetooth* Wireless Technology

Bluetooth* wireless technology enables mobile computers, mobile phones and other handheld devices to communicate with one another and connect to the Internet without wires or cables. You will be able to synchronize the data between devices using existing wired and wireless infrastructure.

Key Benefits

- Wireless technologies allow anytime, anywhere access.
- Broadband networks enable richer Internet experiences.
- VPNs provide access to corporate information across the public infrastructure.
- Bluetooth* technology enables wireless connectivity between mobile PCs, supporting devices and existing infrastructure.

technologies

Ultra-Portable PCs

Today's fast-paced lifestyles demand highly portable computing power that supports dynamic work environments, convenience and productivity. Meeting these needs, ultra-portable PCs provide full-featured system capabilities and are lightweight, compact and more powerful than any palm-top, handheld companion or personal digital assistant (PDA) devices on the market today. Performance ultra-portable PCs are the perfect addition to the traditional computing tools of the active business professional. Value ultra-portable PCs enable consumers and students to maximize their computing dollars through portability, affordability and versatility. Because these systems are not restricted to a particular desktop, ultra-portable PCs can be used in the office, home, library and even on the road.

Ultra-Portable Key Features

Embracing technical innovation, ultra-portable PCs are redefining the power and functionality of smaller computing devices. Many of today's leading ultra-portable PCs offer the performance and familiarity of traditional desktop systems in form factors that enable computing productivity, Internet connectivity and e-Business anytime, anywhere. Because they are completely Intel architecture software compatible, they support advanced operating systems, such as Windows* 98, Windows NT,* Windows 2000* and Windows* Me as well as core business applications, the latest multimedia games

and familiar Internet browsers. What makes ultra-portable PCs so effective is that they uniquely combine ultra-compact size with powerful performance. Employing high-speed, power-efficient Intel mobile processors, such as the new low-voltage Pentium® III processor at 600 MHz and Intel® Celeron™ processor at 500 MHz, users enjoy full-featured system capabilities at a variety of price points. These systems also incorporate large internal hard drives, high-capacity RAM and basic video capabilities. They can easily store large amounts of data such as digital photographs and deliver compelling multimedia presentations.

Technology Highlights

- Low-voltage mobile Pentium III or Intel Celeron processors.
- Convenient and easy Internet connectivity and e-mail access.
- Performance with low power consumption.
- TFT (Thin Film Transistor) and HPA (High-Performance Addressing) screens.
- Large-capacity hard drives.
- Wired for Management (WfM) enabled.
- Variety of sizes and form factors.

Maximum Portability

The primary advantages of ultra-portable PCs are their size and software compatibility. Able to easily fit in a briefcase, backpack or handbag with room to spare, ultra-portable PCs are the ideal second computer for the traveling business person, mobile consumer or active executive. Consumers can communicate with family and friends through e-mail, keep up on school homework or simply search the Web for a vacation destination or a nearby restaurant. Business people can synchronize data with their desktop computers in the office, and then take their ultra-portable PCs on the road, knowing that they have the latest files and data. Key reports and important files are instantly available and can easily be modified just prior to presenting them from the same ultra-portable PC.

Key Benefits

- Maximum portability through convenient form factors.
- Software compatible.
- Full-featured operation.
- Fully manageable for lower TCO.

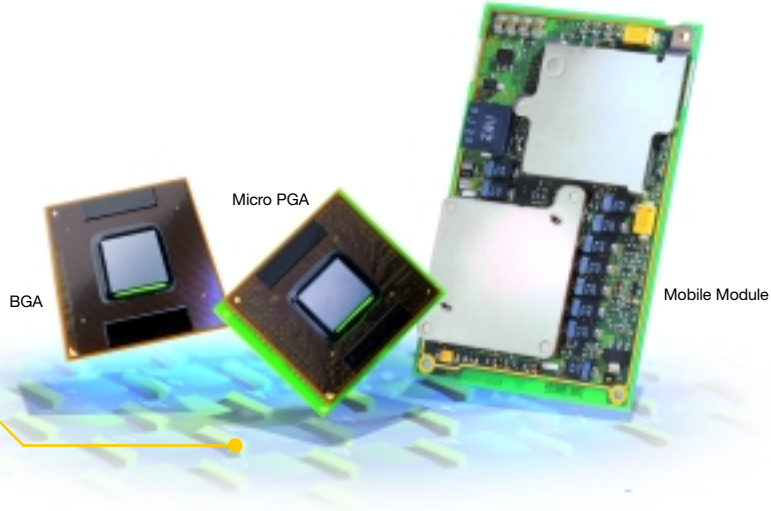
Intel® Mobile Processors

Specifically Designed for Mobile PCs

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 you won't need noisy fans in your mobile PC.



Mobile Pentium® III Processor Featuring Intel® SpeedStep™ Technology

No Compromise Portability,
Performance and Power Management

Mobile Intel® Celeron™ Processor

Great Quality and Reliability
for Mobile Computing

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Printed in U.S.A./0800/.5K/JM/MA/KG/HOP • Order Number: 243662-007

Printed on recycled paper using soy-based inks.