

Mobile Intel® Celeron™ Processors

Great Quality and Reliability
to the Value Mobile Segment



Mobile Intel® Celeron™ processors, now up to speeds of 700 MHz are designed to deliver great quality and reliability. These processors meet the mobile computing needs for value-minded businesses and consumers alike.

Business people can run the latest PC applications from the office or on the road. Intel's leading edge 0.18-micron process technology has arrived for mobile Intel Celeron processors running at 700 MHz, 650 MHz, 600 MHz, 550 MHz, 500 MHz, 450 MHz and low-voltage 500 MHz and 400 MHz (for ultra-portable PCs). These processors provide exceptional battery life through low power consumption, allowing complex applications to run smoothly and quickly.

With a mobile Intel Celeron processor-based system, interactive learning and entertainment can be an integral part of family life, in the living room or on a vacation. The new mobile Intel Celeron processors, with 128K on-die Level 2 cache, deliver powerful computing and exceptional value to basic mobile computing.

Great performance for business

The mobile Intel Celeron processor is designed specifically to meet the computing needs of today's business people who are constantly on the go. Sales personnel can visit customer sites to give demonstrations and display colorful multimedia presentations that they've created on their mobile Intel Celeron processor-based system. Internet Streaming Single Instruction Multiple Data (SIMD) Extensions, coupled with the new 100-MHz system bus, make possible fast downloads from the Internet. Whether you are attending an audio or video conference on the Internet or accessing files from the company intranet, a Celeron processor-based mobile PC keeps you in touch and on top of business.



Key benefits:

- Value mobile computing to manage business, educational and multimedia applications, and to access the Internet.
- Speeds of 700, 650, 600, 550, 500 and low-voltage 500 MHz.
- Innovative QuickStart technology conserves power for extended battery life.
- New 0.18-micron technology for processors running at low-voltage 400 and all processors running at 450 MHz and higher.
- 100-MHz system bus performance for faster access to memory and data.
- More than 70 Internet Streaming SIMD Extensions heighten performance for streaming multimedia and graphics applications.
- 128K on-die L2 cache enhances performance.
- New Micro PGA and BGA packaging for the thinnest, lightest systems ever.
- Based on the same Intel P6 micro-architecture as the Pentium® II processor.
- Features Intel's MMX™ media enhancement technology for smooth graphics and rich sound and video.
- Compatible with Windows® 98, Windows NT®, Windows® 2000 and Windows® Me

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intel®

Excellent value for home computing

The Intel Celeron processor-based mobile PC is not only an excellent business solution, it's also a great choice for home computing. You can run today's most popular applications with the added flexibility of mobile computing. Manage home finances, run educational programs, store images from a digital camera, create a newsletter for the local community center, compose letters or play the most popular multimedia games from home or anywhere.

A click away from the Internet

The mobile Intel Celeron processor brings the Internet into the living room, office or airport lounge. You can use the Internet to research a report, gather data on a company, look up airline fares or enjoy e-shopping while lounging in a comfortable chair. Using 56Kb/s, ISDN and DSL modems, as well as wireless data communications, provides reliable contact with the Internet and immediate access to e-mail anytime, anywhere.

Increased performance with extended battery life

With power consumption that is equivalent to earlier Pentium® processor-based mobile PCs, mobile Celeron processor-based systems can deliver higher Intel mobile processor performance.

A mobile Intel Celeron processor running at 700 MHz offers a 23% to 74% performance improvement over a mobile Intel Celeron processor running at 400 MHz (low-voltage for ultra-portable PCs) on most industry benchmarks.¹ New Intel 0.18-micron process technology provides the mobile Intel Celeron processor with more than 18 million transistors, enabling significantly faster processing than the Pentium processor with MMX™ technology.

Increased performance is critical to mobile computing, and so is optimizing battery life. When the processor idles between computing tasks, QuickStart technology, an energy-saving feature of mobile Intel Celeron processors, offers 60% savings in energy consumption compared to the Pentium processor with MMX technology.²

Easy to carry, easy to choose

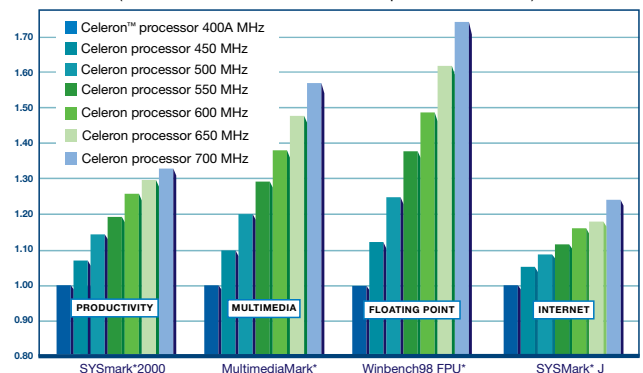
Many of today's leading ultra-portable PCs uniquely combine compact size with the power to handle everything from the Internet to educational programs to interactive games. Thanks to Intel's latest packaging options, Micro PGA and BGA, business and home users can effortlessly carry a thin, lightweight Celeron processor-based mobile PC to client sites, classes, seminars, down the hall or around the world.

What can you do with a mobile Intel® Celeron™ processor-based system?

- Take advantage of the latest PC applications, including word processing and financial programs.
- Promote a vision through presentation software, in your own office or at a client's site.
- Send and receive e-mail messages through a phone line or wireless connection to easily stay in touch with a customer, the office or home.
- Access the Internet from anywhere, to retrieve updated banking information, log into your company intranet or conduct other e-Business while on the road.
- Create a custom photograph album of a family vacation using images from a digital camera.
- Experience rich graphics and sound for video or the latest multimedia games.
- Compute anytime, anywhere.

Spectrum of Performance

(Normalized to mobile Intel® Celeron™ processor 400 MHz)



Source: Intel. Mobile Intel® Celeron™ processors 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.

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.

¹Source: 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 400A 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.

²The mobile Pentium® processor with MMX™ technology idles at 1.1 watts, and the mobile Intel® Celeron™ processor idles at 0.4 watts.

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