# Intel Expands Mobile Processor Offerings For Portability And Value Market Segments

June 2 2004

SANTA CLARA, Calif., June 1, 2004 - Intel Corporation today introduced four mobile processors for the portability and value market segments. Today's launch ushers in the second generation Mobile Intel Pentium 4 Processor based on Intel's industry-leading high-volume 90-nanometer process technology and expands the company's Intel Celeron M Processor family.

The Mobile Intel Pentium 4 Processors are designed for larger-sized notebook PCs, also known as "desktop replacements," typically featuring large screens, full-size keyboards and multiple drives. Mobile Intel Pentium 4 processors 538, 532, and 518 offer new features and high performance, including support for Hyper-Threading (HT) Technology*; a larger, 1MB Level 2 cache; 13 new Streaming SIMD 3 Extensions (SSE3); enhancements to the Intel® NetBurst® microarchitecture; and speeds of 3.20 GHz, 3.06 GHz and 2.80 GHz, respectively. These processors also offer such power management features as support for Enhanced Intel Speedstep® technology that enables lower thermals than its desktop counterpart providing more reliable system performance in a notebook. The Mobile Intel Pentium 4 processor supporting HT Technology works with the Intel® 852GME and Intel® 852PM chipsets.

With notebooks based on these new Mobile Intel Pentium 4 processors supporting HT Technology, consumers can take advantage of multithreaded and processor-intensive multimedia applications. For example, a consumer could have a great experience when playing an immersive game while also encoding audio, video or compressing

images.

Based on Intel's mobile microarchitecture, the Intel Celeron M processor 340 features 512KB of L2 cache, frequency of 1.50 GHz, 400 MHz system bus, and operates at a lower core voltage than the Intel Celeron processor. This reduces power consumption enabling it to fit into today's popular thin and light notebook form factors. The Intel Celeron M processors offer users a balanced level of mobile-optimized processor technology, good mobile performance and exceptional value in sleeker, lighter notebook designs. The Intel Celeron M processors are compatible with the Intel® 855 chipset family as well as the Intel® 852GM chipset.

In 1,000 unit quantities, the Mobile Intel Pentium 4 Processor 538, 532 and 518 are priced at $294, $234 and $202, respectively; the Intel Celeron M Processor 340 is priced at $134.

Intel, the world's largest chip maker, is also a leading manufacturer of computer, networking and communications products. Additional information about Intel is available at www.intel.com/pressroom .

Intel, Pentium, Celeron, and SpeedStep technology 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.

* Hyper-Threading Technology requires a computer system with a Mobile Intel® Pentium® 4 processor supporting Hyper-Threading Technology and a HT Technology enabled chipset, BIOS and operating system. Performance will vary depending on the specific hardware and software you use. Visit www.intel.com/info/hyperthreading for more information, including details on which processors support HT Technology.

The original press release is here.