

The Intel® Celeron® Processor. Delivering Great Quality At An Exceptional Value.

The Intel® Celeron® processor, now available at 2.60 GHz with a 400-MHz system bus, is an ideal solution for value-minded PC consumers. Designed to meet your basic computing needs, the Intel Celeron processor can provide an affordable and reliable PC for the home or office. With proven technology from the leader in microprocessors, the Intel Celeron processor is able to handle everything from the Internet to educational programs and interactive games, making the Celeron processor an ideal choice at an exceptional value.

The boxed Intel Celeron processor features a thermal solution designed by Intel to provide an effective cooling solution that matches the processor. Tested to the highest standards, the Intel-designed thermal solution has been validated for a variety of computing environments.

The 478-Pin Intel® Celeron® processor:

The 478-pin package features a 400-MHz system bus, and is compatible with system boards designed to support our 478-pin processors and provide integrators with greater platform flexibility. Architectural features in the 478-pin processors take advantage of software applications optimized for Streaming SIMD Extensions 2 (SSE2).

The boxed Intel Celeron processor meets the unique needs of system integrators. Combined with other Intel PC building blocks, the Celeron processor offers integrators the opportunity to provide a full line of desktop systems for the value PC consumer. These are some of the features we designed into the Celeron processor to enhance the quality and value of the processor:

- A faster system bus provides higher bandwidth between the processor and the rest of the system, which improves both throughput and performance.
- A full-speed, Level 2 advanced transfer cache reduces latency interface to cache data and enhances performance by providing fast access to heavily used data and instructions.
- The dual-independent bus architecture frees the system bus from cache traffic providing higher system bandwidth overall, which improves system performance and scalability.
- Intel® MMX™ media enhancement technology enhances the performance and quality of media-rich applications.
- Streaming SIMD Extensions 2 (SSE2) with 144 additional instructions that accelerate operation across a broad range of applications.
- A Built-in Self Test (BIST) provides single stuck-at-fault coverage of the microcode and large PLAs, as well as testing of the instruction cache, data cache, Translation Lookaside Buffers (TLBs) and ROMs.
- An IEEE 1149.1 Standard Test Access Port and Boundary Scan allows testing of the Intel Celeron processor through a standard interface.

The boxed Intel® Celeron® processor includes:

- Intel-designed thermal solution
- Three-year limited warranty
- Certificate of Authenticity
- Installation instructions
- Intel Inside® logo label



Intel® Celeron® processors are available in a variety of configurations:

PACKAGE	SYSTEM BUS	PROCESSOR	PROCESS TECHNOLOGY	LEVEL 2 ADVANCED TRANSFER CACHE (FULL-SPEED)	THERMAL SOLUTION
478-pin (FC-PGA2)	400 MHz	2.60 GHz	0.13 micron	128KB	Variable speed fan ¹
		2.50 GHz			
		2.40 GHz			
		2.30 GHz			
		2.20 GHz			
		2.10 GHz			
478-pin (FC-PGA2)	400 MHz	1.80 GHz	0.18 micron	128KB	Variable speed fan ¹
		1.70 GHz			

¹ The Intel Variable Speed Fan, designed for higher performance processors, has a thermistor (temperature-sensitive device) and circuitry that continuously self-adjusts the fan speed (rpm) based on internal chassis temperatures for the optimum blend of sound and performance.

For the most current product information, visit Intel's Web site at: www.intel.com/reseller

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Order Number: 252392-003
0603/MS/RN



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