



Consumer Backgrounder

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2010 Intel® Core™ Processor Family for Ultra-Thin Laptops

Boost your performance and your style with the 2010 Intel® Core™ processors for ultra-thin laptops. The 2010 Intel® Core™ processors for ultra-thin laptops enable sleek ultrathin laptops that are light enough to carry all day and offer the perfect balance of style, performance, and battery life.

Ultra-thin laptops with the perfect balance of style and performance: Enjoy the capability you've come to expect from a laptop but in an ultra-thin design. With a platform built for systems less than an inch thick and weighing just 2 to 5 pounds, Intel helps put thinner, sleeker, and lighter laptops at your fingertips. Ultra-thin laptops with ultra-low-voltage 2010 Intel® Core™ processors inside give you the perfect balance of style, performance, and long battery life.

Intelligent performance with style: Experience the revolutionary smart performance in style with the 2010 Intel® Core™ processor family for ultra thin laptops. Based on Intel's 32 nanometer (nm) technology manufacturing, the ultra-low-voltage Intel® Core™ processors for ultra-thin laptops are more than 32 percent smaller¹ and deliver more than 32 percent better performance², all in a lightweight, sleek design. With Intel® Turbo Boost Technology³ and Intel® Hyper-Threading Technology⁴ your computer automatically adapts to whatever you do and delivers the performance you need. Applications feel faster and your PC stays more responsive, even as you multitask. That's smart computing that looks as good as it performs!

Sleek, Stylish, Energy Efficient: Sharing the revolutionary architecture of the 2010 Intel® Core™ processors, the memory controller and graphics are integrated into the processor. And utilizing the Intel® 5 Series Chipset family, help enable fully functional, energy efficient and innovative designs. The Intel 5 Series chipset designed for use with ultra-low-voltage laptops expand support for video, audio, and enhanced data and PC protection while providing energy

Intel/Page 2

efficiency and reduced package sizes needed to enable thinner, lighter, and more innovative PC form factors.

Stunning visuals, high-definition playback: The 2010 Intel® Core™ processors for ultra-thin laptops feature Intel® HD Graphics which deliver crystal-clear visuals, vibrant colors and smooth high-definition (HD) video and audio playback. These processors support mainstream 3D gaming without the need for an add-in video card, advanced 3D capabilities and offer full support for Microsoft Windows* 7 operating system. Whether you are watching a Blu-ray* movie, editing photos, or simply having fun playing most mainstream games, Intel® Core™ processors with Intel® HD Graphics deliver a unique solution for a broad array of users.

¹Based on package area sizing comparisons between standard/"mainstream" and SFF processor and PCH

² Multitasking based on PCMark* Vantage Overall Score. Mobile Intel® Core™ i5-430UM processor vs. a mobile Intel® Core™2 Duo processor SU7300

³ Intel® Hyper-Threading (HT) Technology (Intel® HT Technology) requires a computer system with a processor supporting Intel® HT Technology and an Intel® HT Technology-enabled chipset, BIOS and operating system. Performance will vary depending on the specific hardware and software you use. For more information, including details on which processors support Intel® HT Technology, see www.intel.com/technology/platform-technology/hyper-threading/index.htm

⁴ Intel® Turbo Boost Technology requires a PC with a processor with Intel® Turbo Boost Technology capability. Intel® Turbo Boost Technology performance varies depending on hardware, software and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel® Turbo Boost Technology. For more information, see www.intel.com/technology/turboboost

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