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Intel Marks 30 Years in Embedded Computing with Quad-Core Processor Launch

Orange County Choppers(1) Bring Embedded Technology to Intel-Themed Motorcycle

SAN JOSE, Calif.--(BUSINESS WIRE)--

Commemorating 30 years of delivering products and technology to the embedded computing market, Intel Corporation today introduced the Quad-Core Intel(R) Xeon(R) processor 5300 series with extended life cycle support, the first to bring Intel architecture-based quad-core performance to the embedded segment.

The quad-core embedded processors are among the 11 quad-core products Intel has brought to market in less than 6 months. Intel also introduced the new Intel(R) IP Network Server NSC2U. Both new products utilize Intel's latest advanced hardware technologies, including Intel(R) Virtualization Technology and Intel(R) I/O Acceleration Technology.

Additionally, Intel marked the launch here today with the unveiling of an Intel-themed embedded technology-based motorcycle by Orange County Choppers.

"The breakthrough performance and power efficiency that characterize the industry's first quad-core processors for embedded are as unmistakable as the raw power of the four cylinders of the Intel Chopper's quad engine," said Doug Davis, vice president and general manager of Intel's Embedded and Communications Group. "This 250-horsepower chopper -- designed using quad-core Intel computers -- is more than just a mechanical powerhouse; it's also a marvel of embedded technology with an ultra-mobile PC powering fingerprint recognition for security and a digital dashboard with ignition control, digital gauges, cameras that replace rear-view mirrors, integrated audio and video systems, GPS navigation and wireless connectivity."

The custom-built motorcycle, launched simultaneously in the Internet-based virtual world of Second Life, celebrates 30 years of Intel's innovation and technology leadership in advancing embedded computing. In 1976, before the advent of the personal computer, Intel entered the embedded market and provided extended life cycle support for technologies, silicon and platforms that drive this industry. Intel embedded technology can be found today in automobiles, airplanes, ATMs, information kiosks, telecommunications infrastructure and network storage systems, as well as factory and medical equipment.

Intel engaged with Black Diamond Advanced Technology, a leader in the development of ultra-mobile computing systems, to integrate the motorcycle's computerized controls and

features that protect the computing system from moisture, dirt, shock and vibration and offer a computerized dashboard capable of being detached and used as a mobile PC.

"As Intel celebrates 30 years of innovation, we've created the most powerful and technologically advanced bike we've ever made to showcase the many ways the world benefits from Intel embedded technology," said Orange County Choppers' Paul Teutul Sr. "In fact, we were amazed to discover how much Intel technology we have in our own shop. Beyond the Intel-powered PCs and servers, we have Intel processors embedded in many of the machines and devices that help us with every build."

New Intel Products for Embedded Computing

With dual-processing capabilities providing up to eight high-performance cores per platform, the Quad-Core Intel Xeon processor 5300 series is available in 2.0 GHz (E5335) and 2.33 GHz (E5345) speeds. These processors are ideal for intense computing and I/O intensive workloads within high-end communications and enterprise systems, including rack-mount (1U/2U) and blade servers, NAS and SAN systems, and medical imaging equipment.

The Intel IP Network Server NSC2U, powered by two 5300 series processors, enables high I/O throughput and performance capabilities suited for a variety of network-centric applications, from security intrusion prevention to telecommunications services-over-IP (SoIP), including IMS, IPTV and Video on Demand (VoD). The NSC2U server features a ruggedized chassis, compact form factor and extended lifecycle support for the components.

The Quad-Core Intel Xeon processors E5335 and E5345 are available today starting at $690. The Intel IP Network Server NSC2U is targeted for July 2007 availability.

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