

## Kawasaki Microelectronics Licenses CAST 8051 IP Core for New Design Platform

*Proven 8-bit Microcontroller IP Best Matches Platform's Requirements for Speed, Area, Low-Power Consumption, Configurability, and Reliability*

**Woodcliff Lake, NJ, January 11, 2012** — Kawasaki Microelectronics, Inc. (K-micro) in Japan has selected an 8051-compatible microcontroller core from CAST, Inc. for its new digital and mixed-signal control platform.

Focused on "Advanced Yet Affordable ASIC Technology™," K-micro is a fabless semiconductor company that offers full-custom ASIC development and production for consumer electronics, computer systems, networking, and data storage customers worldwide. The new 8051-based platform will join K-micro's already-wide array of advanced, proven, ASIC IP.

The [R8051XC2 IP core](#) from CAST is a high-speed 8-bit microcontroller with a configurable set of peripherals and functions and complete MCS@51 instruction set compatibility.

"This 8051 IP combines high performance and ease of use to provide customers a quick and effective solution at an affordable price. We expect this valuable IP will contribute to increase our presence in the current tough market, especially in Asia," said Yusuke Yamamoto, K-micro senior manager, Marketing & Strategic Planning Department.

The 8051 IP IP core from CAST gives K-micro the following key advantages:

- **Leading-edge technology** — The R8051XC2 is one of the fastest 8051 IP cores available, running 12.1 times faster than the original 8051.
- **The right system-level IP** — The 8051 microcontroller is the smartest, most cost-effective choice for many data control and similar functions, whether in a deeply embedded system application or to offload a main processor in a complex system on chip (SoC).

- Services for customer success — The 8051 development ecosystem is large and mature, and CAST has 10 years of supporting customers using it.
- High-reliability ASICs — The R8051XC2 code has evolved over four generations, and been proven in hundreds of successfully shipping customer products.

CAST's Japanese representative Spinnaker Systems, Inc. has worked closely with K-micro through the rigorous IP selection process, and will continue to provide local front-line support.

For more information, please visit:

Kawasaki Microelectronics, Inc Japan: [www.k-micro.com](http://www.k-micro.com)

Spinnaker Systems, Inc.: [spinnaker.co.jp](http://spinnaker.co.jp)

CAST Inc.: [www.cast-inc.com](http://www.cast-inc.com)

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