Mindspeed and JUNI Collaborate on Next-Generation LTE Femtocells and Small Cell Base Station Solutions

JUNI Selects Mindspeed's Next Generation T33xx/T22xx Transcede System-on-Chip (SoC) Baseband Processors for LTE Small Cells

Mindspeed Technologies has announced a collaboration with JUNI [1] to jointly develop advanced long-term evolution (LTE) femtocells and other small cell dual mode 3G/LTE solutions. The collaboration combines Mindspeed®'s carrier-grade Transcede® SoC baseband processor solutions with JUNI's development expertise.

Mindspeed's Transcede family of processors include complete NodeB and eNodeB SoC solutions that perform concurrent 3G and LTE processing in a single device, including time division synchronous code division multiple access (TD-SCDMA), wideband code division multiple access (WCDMA)/evolved high speed packet access (HSPA+) and both frequency division duplexing LTE (FDD-LTE) and time division duplexing LTE (TDD-LTE). The recently announced Transcede T22xx series targets residential and small enterprise applications, while the T33xx series is focused on enterprise, metro and pico base stations. These products combine Mindspeed's strength in LTE with Picochip's leadership in carrier grade 3G.

"As a developer of femtocell solutions for LTE mobile networks, JUNI believes that next-generation networks and applications will require LTE femtocells and other small cell base stations," said John Kim, chief executive officer at JUNI. "The development of a broad portfolio of small cell products for the different market demands is important to serve our operator customers. Mindspeed's dual mode T22xx/T33xx SoC baseband processor products deliver multi-standard operation with carrier-grade performance, and are the ideal solution for building our family of products."

"Mindspeed is delighted that our Transcede SoCs have been chosen by JUNI for the company's next-generation femtocells and other small cell products," said Dr. Naser Adas, vice president and general manager, wireless and customer premises equipment (CPE), at Mindspeed. "We have been impressed by JUNI's commitment and expertise in developing small cells. Both companies believe in the huge opportunity of this market and we look forward to a successful collaboration with them."

Mindspeed has the most complete portfolio of SoCs in the industry, ranging from cost-effective residential 3G only, through the new T22xx and T33xx up to the micro/macro class. All Transcede family devices are supported by a complete, carrier-class software reference design to accelerate time-to-market schedules. The reference design includes RF module integration, a real-time Linux board support

package, and standard-compliant physical-layer (PHY) implementation for LTE and W-CDMA and TD-SCDMA, with associated utilities and test scripts.

For more information, please visit www.mindspeed.com [2].

Posted by Ron M. Seidel, Editorial Intern

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