

Artimi Announces World's First Complete Single Chip UWB Solution

RTMI-100 Single Chip UWB Solution includes Radio, PHY, MAC, IO and Applications Processor in One Semiconductor Device

Santa Clara, Calif. and Cambridge, UK – May 31, 2005 - Artimi Inc., the single chip Ultra Wideband (UWB) systems semiconductor company, announced it has taken delivery of RTMI-100, the world's first complete working single chip UWB solution, from its foundry. Samples will be made available to development partners for early design-ins.

The RTMI-100 is a complete UWB solution in a single chip implemented in 0.18micron SiGe BiCMOS. The digital portion of the device is implemented in CMOS and the high frequency section implemented in SiGe. RTMI-100 can process up to 4GHz of coherent bandwidth and includes integrated LNA and PA, adaptive channel digital radio, IEEE 802.15.3 MAC, standard PCI 2.3 interface with master/slave, flexible expansion port with dedicated RISC IO processor and is designed to be compliant with FCC Part 15 Subpart F. Additional features include Artimi's strong QoS technology that supports streaming media without any other processing in the solution.

"The RTMI-100 represents a significant milestone in UWB development," stated Colin Macnab, CEO of Artimi. "The RTMI-100 has proven Artimi's design methodology and provides a complete working UWB solution for our early customers. Our single-chip UWB device demonstrates Artimi's commitment to providing the lowest cost complete UWB solutions. Our active participation in standards and industry groups, such as the IEEE and WiMedia Alliance, will ensure future compatibility and interoperability of our UWB devices. In addition, our flexible architecture will enable us to deliver a single chip MBOA compliant solution when the standard is finalized."

With an underlying 800Mbps transport capability, plus integrated error correction and encryption, the RTMI-100 is ideal for high bandwidth wire replacement, such as high performance bulk file transfers or where quality of service is important, like streaming audio and video between a DVD player and an LCD home theatre system. Artimi is working with leading manufacturers in the consumer electronics, PC and mobile markets to develop end user products based on its UWB technology.

Macnab added, "Artimi welcomes the Bluetooth SIG's announcement advancing the next generation Bluetooth to a UWB based solution. Artimi's development team has significant experience in the Bluetooth arena and our PHY-neutral system architecture was designed from the ground up to facilitate operation with Bluetooth application profiles."

Artimi will be showcasing the RTMI-100 single chip UWB solution and demonstrating UWB video applications this week at Computex in Taipei, Taiwan, 31 May-4 June 2005.

About Artimi

Artimi is a fabless semiconductor company developing single chip system solutions for high bandwidth wireless connectivity based on UWB technologies. Artimi has corporate headquarters in Santa Clara, California, research and development headquarters in Cambridge, UK and sales office in Taipei, Taiwan. For more information, visit www.artimi.com.

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