

QuickLogic Extends CSSP Library With Bluetooth 2.1 + EDR Compatible High Speed UART Core

-- Fast 3 Mbit/sec data rate supports Bluetooth 2.1 and Enhanced Data Rate (EDR) throughput requirements

-- Configurable to meet a variety of application requirements

SUNNYVALE, Calif.--(BUSINESS WIRE)--

Underscoring its commitment to the mobile electronics market, QuickLogic(R) Corporation (NASDAQ:QUIK), the lowest power programmable solutions leader, today announced a new UART (universal asynchronous receiver/transmitter) proven system block for use with its innovative Customer Specific Standard Product (CSSP) platforms. The high-performance core supports the full 3 Mbit/sec required for Bluetooth 2.1 and Enhanced Data Rate (EDR) operation.

The UART has been used as a general-purpose serial communications function for decades, but are typically designed for low data-rate applications such as a PC serial port. More recently, UARTs have become the most common form of host controller interface for Bluetooth communications. With the advent of Bluetooth 2.0/2.1 and its EDR transfer mode for high-speed streaming, UARTs traditionally used in mobile application processors are proving to be too slow. The new UART system block from QuickLogic offers the level of performance that Bluetooth 2.1 + EDR requires.

"QuickLogic's high-speed UART solution allows portable device OEMs and ODMs to quickly implement Bluetooth 2.1 capability -- without waiting for application processor vendors to upgrade their embedded UARTs to the required performance," says Howard Li, QuickLogic's Senior Platform Solution Marketing Manager. "Together with the flexibility of QuickLogic's CSSP platform approach, this solution allows designers to gain a competitive advantage and create product differentiation -- today."

The high-speed UART solution is a proven system block that occupies five Customizable Building Blocks (CBBs) within the programmable fabric in either PolarPro or ArcticLink CSSP families of solution platforms. It offers configurable flow control and FIFO access as well as a baud rate customizable for different application requirements, with speeds up to 3 Mbits/sec. Applications for the UART system block include Bluetooth EDR voice communications between mobile handsets and hands-free headsets, wireless communications between game controllers and game consoles, and the streaming of multimedia files between devices, as well as traditional serial links to keyboards, mice, portable storage, and the like. Software support for the high-speed UART system block includes drivers for Windows CE, Windows Mobile, and Linux.

Availability

The high-speed UART solution is available immediately as part of QuickLogic's CSSP proven system block library. For more information on QuickLogic's CSSP capabilities and platforms, go to www.quicklogic.com/cssp.

About QuickLogic

QuickLogic Corporation (NASDAQ:QUIK) is the leading provider of the lowest power programmable solutions for the portable electronics, industrial, communications and military markets. Our latest products, ArcticLink(TM), PolarPro(TM), Eclipse II(TM) and QuickPCI(TM) are being used to implement bridge and control solutions in embedded systems requiring Wi-Fi, DVB-H and IDE or CE-ATA-based disk drives. QuickLogic's proprietary ViaLink(R) technology offers significant benefits for programmable logic, including the lowest power, instant on capability and bulletproof intellectual property security. The company is located at 1277 Orleans Drive, Sunnyvale, CA 94089-1138. Web site www.quicklogic.com

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