Fujitsu announces new ARM cortex-based bridge SoC

The Associated Press

Fujitsu announces new ARM cortex-based bridge SoC with 10 different interfaces for transcoder ICs and products requiring multiple interface control

SUNNYVALE, Calif., Oct. 31, 2012 /PRNewswire/ -- Fujitsu Semiconductor America today introduced an Interface Bridge SoC that incorporates 10 different interfaces, more than any other similar single device. Designed for advanced Wi-Fi television tuner applications, the new MB86E631 combines a dual-core ARM@ CortexT-A9 processor and multiple interfaces, including USB 2.0, USB 3.0, Serial ATA, PCI Express, Ethernet MAC, transport stream (TS), and two memory interfaces - all on one SoC.

High-performance processor plus multiple interfaces

The MB86E631 is designed for equipment such as video-recording devices and TVs with built-in recording capabilities that transmit programming to other devices. With greater than 500MHz operation, the ARM Cortex-A9 CPU provides the performance needed to control all 10 interfaces, which also include UART, I2C, and two memory interfaces (DDR3 and Quad Serial Flash Controller). The device manages the Wi-Fi TV tuner, which wirelessly sends transcoded H.264 / MPEG-2 streams to storage devices and mobile products such as smartphones and tablets. The SoC is also ideal as a CPU for other video and graphics display products that need to control a wide

range of interfaces.

"This bridge SoC is the first product to enable the performance, interoperability and functionality today's multimedia home networks need," said Anthony Wong, senior marketing manager of Fujitsu Semiconductor America. "We expect the MB86E631 will launch a new market that goes beyond video delivery and recording devices to include products that require performance greater than that of general-purpose microcontrollers, as well as support for multiple interfaces. We will continue to roll out new video-processing technologies and products to enhance consumers' experience in time-shift and place-shift applications."

Fujitsu Semiconductor will be offering reference boards featuring the MB86E631 together with the company's MB86M01/M02/M03 series transcoder LSIs (http://www.fujitsu.com/us/semiconductors/h264/MB86M01-2-3.html [1]). DLNA-compatible reference boards for Linux are also available for Wi-Fi TV tuner products, simplifying product development.

Availability

The new MB86E631 will be available in December in sample quantities. It comes in 16mm x 16mm, 426-pin FBGA packages with a ball pitch of 0.65mm. For more details about Fujitsu's new MB86E631, please visit http://us.fujitsu.com/semi/h264 [2].

About Fujitsu Semiconductor America, Inc.

Fujitsu Semiconductor America, Inc. (FSA) is a leading designer and developer of innovative semiconductor products and solutions for new generations of consumer, communications, automotive and industrial products. FSA provides a comprehensive portfolio of high-quality, reliable semiconductor products and services throughout North and South America. Founded in 1979 and headquartered in Sunnyvale, California, Fujitsu Semiconductor America (formerly Fujitsu Microelectronics America) is a wholly owned subsidiary of Fujitsu Semiconductor Limited (FSL), Japan.

For product information, visit the company's website at http://us.fujitsu.com/semi [3], e-mail FSA_inquiry@us.fujitsu.com [4] or call 1-800-866-8608. For company news and updates, connect with FSA on Twitter (http://twitter.com/FujitsuSemiUS [5]), Facebook (https://www.facebook.com/FujitsuSemiconductorAmerica [6]), or YouTube (http://www.youtube.com/FujitsuSemiUS [7]). All product names mentioned herein are trademarks or registered trademarks of their respective owners. Information provided in this press release is accurate at time of publication and subject to change without advance notice.

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