

Socionext Develops Versatile and Extensible Module for Hybrid Codec Solution to Accelerate the “Media Cloud” Initiative

Improving Efficiency of Video Data Processing in a Variety of Applications from Edge Devices to the Cloud

Yokohama, September 15, 2017 --- Socionext Inc., a leader in advanced SoC technology for video and imaging systems, has developed the M820C server module. This module features the company’s hybrid codec technology equipped with the multi-format codec, IC MB86M30 and high-efficiency processor, SC2A11. This development is part of Socionext’s “Media Cloud” initiative to improve processing efficiency for the ever-increasing video data in the data center. The M820C achieves high-performance transcoding as well as advanced and efficient video data processing. The launch of the solution for network video service is planned in October 2017.

The MB86M30 is a central product of the Socionext “Media Cloud” Initiative. It is a high-performance codec that is able to simultaneously encode four channels of 1080p video in real-time. The SC2A11 is an ARM® v8-based energy-efficient multi-core processor with 24 cores of ARM Cortex-A53 on a single chip. It provides the optimal balance between processing performance and power consumption for a wide range of applications, from gateway to edge computing and large-scale processing in the cloud.

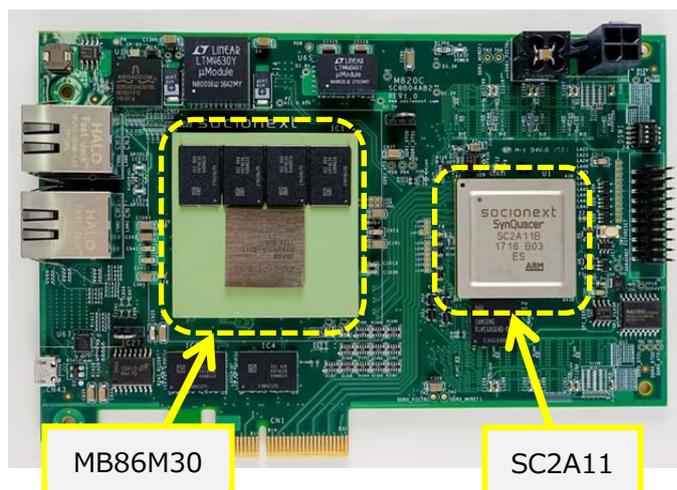


Photo: M820C

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This ideal combination of the MB86M30 and SC2A11 results in a hybrid codec that balances high speed processing by dedicated hardware and flexible software processing by the CPU. The M820C has been built as a server module with integrated hybrid codec functionality, and is aimed for use in various network service applications. The SC2A11, which is integrated onto the M820C, is able to execute an arbitrary user application and efficiently performs complicated tasks, such

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as generating valuable video metadata to add to the video stream or, collaborating with other servers in the network. Socionext sees, as part of its `Media Cloud' Initiative, improving video quality and facilitating system construction with the M820C as the company's contribution to the development of the video distribution service market.

The M820C has, for example, the capability of performing face recognition while simultaneously converting input video data to various bitrates and screen sizes, superimposing such data onto the converted data and transmitting the data. Socionext will be demonstrating this efficient video data processing at the IBC Exhibition in Amsterdam starting September 15, 2017 (Hall 9 , Launch Pad 23). <https://show.ibc.org/welcome>

About Socionext Inc.

Socionext is a new, innovative enterprise that designs, develops and delivers System-on-Chip products to customers worldwide. The company is focused on imaging, networking, computing and other dynamic technologies that drive today's leading-edge applications. Socionext combines world-class expertise, experience, and an extensive IP portfolio to provide exceptional solutions and ensure a better quality of experience for customers. Founded in 2015, Socionext Inc. is headquartered in Yokohama, and has offices in Japan, Asia, United States and Europe to lead its product development and sales activities. For more information, visit socionext.com.

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