

Socionext Sampling Single-chip IC for 4K Media Playback with Built-in HDMI Tx/Rx

Yokohama, Japan May 27, 2015 --- Socionext Inc. today began sampling its new MN2WS03101A, a single-chip IC for 4K/p60, HEVC and VP9 playback with built-in HDMI-Tx/Rx. The new device is compatible with HEVC Main 10 profile, and supports new copyright protection, HDR and wide color gamut.

As 4K resolution video becomes more popular and a wider variety of video content is available through the network, there is a high need for a playback capability for new video formats in addition to conventional full HD. HEVC, the new data compression technology is being adopted now for 4K Video, in particular. The market requires a compact, low-power chip that performs real-time decoding of HEVC-compressed 4K/p60 video, allowing output of high quality video with various image processing effects.

Socionext's MN2WS03101A supports 4K/p60 video all the way through input, decoding to output. It can accommodate the high quality playback of 4K video such as HEVC, VP9 and H.264. It supports the up-conversion of Full HD videos with the conventional codec standards, such as H264 or MPEG-2, to 4K, using super-resolution processing.

The new device is also capable of real-time, multi-channel transcoding (Four-channel Full HD videos to H.264 or to MPEG2) and 4X speed transcoding of Full HD one-channel video, which is applicable for media distribution equipment such as recoding instruments or home gateways.

Socionext plans to start volume production of MN2WS03101A in the second half of 2015, targeting it for next generation 4K video equipment.

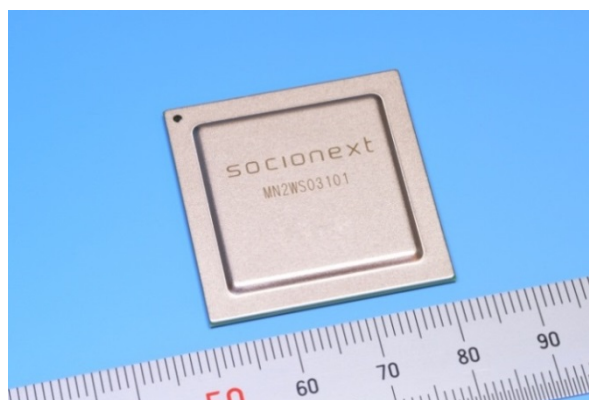


Photo 1 : MN2WS03101A ([view larger image](#))

For Press Inquiry

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Socionext is a new company established by the consolidation of the system LSI businesses of Fujitsu Limited and Panasonic Corporation. It has a track record of development and delivery of products for various video applications. Socionext is now sampling 4K HEVC real-time encoder MB86M31. Together with MN2WS03101A, the company will support total video solution for a wide range of applications.

Other MN2WS03101A features include: HDMI 2.0 Input (HDCP2.2), high quality and high definition video processing (HDR, BT. 2020) and stress-free special processing such as image compositing, rotation, or deforming. It is available now in samples in FCBGA-1177 31mm x 31mm package.

Socionext will showcase MN2WS03101A at Computex Taipei 2015, from June 2 - 6, 2015 at Booth N0108, Nangang Hall.

Customer Inquiry

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[Inquiry Form](#)

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 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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