

SP Devices Introduces High-Speed Solutions Featuring ADCs from National Semiconductor

Linköping, Sweden – August 4, 2009 – Signal Processing Devices Sweden AB, a world-leading provider of signal processing technology for analog-to-digital conversion (ADC), today announced the introduction of two high-speed data acquisition boards featuring high-speed ADCs from National Semiconductor Corp., a leading provider of data conversion products based in Santa Clara, Calif. These boards were developed in collaboration with National and employ SP Devices' FPGA time-interleaving IP to double the effective ADC sampling rates.

A reference design board which includes two National ADC16V130 16-bit, 130 Mega-samples per second (MSPS) ADCs -- interleaved to deliver an effective 260 MSPS and approximately 120 MHz of Nyquist bandwidth -- is available to selected customers. The board offers the highest dynamic range (90.6 dB SFDR) over the widest bandwidth (1.4 GHz) when compared with discrete solutions. This performance level enables next-generation wideband communication systems, such as multi-carrier, multi-standard base stations, as well as high-resolution medical imaging systems.

The ADQ108 data acquisition board features two National ADC083000 8-bit, 3 Giga-samples per second (GSPS) ADCs that are interleaved by use of SP Devices interleaving IP to deliver effective sample rates above 6 GSPS. The board offers the highest-speed, commercially available 8-bit data conversion solution for use in test and measurement equipment and optical communication systems.

"The combination of SP Devices' time-interleaving technology with National Semiconductor's high-speed ADCs has led to breakthroughs in both the speed and performance of data acquisition solutions required by next generation communications infrastructure applications," said Jonas Nilsson, CEO of SP Devices.

"National has traditionally developed new core architectures to stretch the limits of data converter sample rates," said David Boisvert, business unit leader for National's High-Speed Signal Path Division. "Through collaboration with SP Devices, we are able to rapidly meet future customer requirements of higher sampling rates while maintaining our industry leading performance."

More information on these solutions is available from SP Devices at www.spdevices.com

About SP Devices

SP Devices (Signal Processing Devices Sweden AB) provides digital signal processing IP for the enhancement of analog-to-digital conversion. The IP products are available for implementation in ASICs or deployed on FPGA platforms. SP Devices' portfolio of products enables customers to build systems with state-of-the-art analog-to-digital performance that enables advances in the area of software defined radio, radio base station transceivers, digital imaging, high-speed data acquisition and broadband communication. Additional company and product information is available at www.spdevices.com.

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