News Release

SP Devices
an e2v company

SP Devices launches the world's first 14-bit digitizer with 10 GS/s sampling rate

SP Devices, an e2v company, has launched the ADQ7, the first digitizer to offer an unrivalled combination of 14-bits vertical resolution and a sampling rate of up to 10 GS/s.

Following the success of SP Devices' ADQ14 digitizer, the ADQ7 has been optimised to provide a higher sampling rate, larger Field Programmable Gate Array (FPGA), increased memory and data transfer rate and a higher bandwidth analog front-end. The ADQ7's unique combination of high bandwidth and high dynamic range makes it ideal for demanding applications such as LIght Detection And Ranging (LIDAR), radar, mass spectrometry, radio frequency sampling and recording and Automated Test Equipment (ATE).

The ADQ7 hosts a powerful Xilinx Ultrascale XCKU060 FPGA which is made available to the user through a firmware development kit. In addition, to help shorten design time, there are a number of optional stand-alone firmware packages containing application specific, real time signal processing functions. These flexible firmware solutions make the ADQ7 the perfect platform for Original Equipment Manufacturer (OEM) integration.

Jan-Erik Eklund, Digitizer Product Manager at SP Devices, commented, *"It is very exciting that we can offer the market a 14-bit resolution digitizer that maintains such a high sampling rate. This new digitizer's unique performance shows our commitment to innovation and maintaining our position as the world leader in high performance data acquisition."*

The ADQ7 will be available in a multitude of form factors including MTCA.4, USB3, PCIe, PXIe, and 10 Gbit Ethernet and it supports sustained data transfer rates of up to 5 GB/s. A software development kit is included free of charge and supports multiple languages including, but not limited to, C++, C#, Matlab, Python, LabVIEW. The board can be operated under both Windows and Linux.

Visit www.spdevices.com/adq7 to find out more.
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Notes to Editors:

Bringing life to technology, e2v partners with its customers to improve save and protect people's lives.   e2v's innovations lead developments in healthcare, life sciences, space, transportation, defence and security and industrial markets.

e2v employs approximately 1750 people worldwide, has design and operational facilities across Europe, North America and Asia, and has a global network of sales and technical support offices. e2v has annual sales of GB236M as at 31 March 2016 and is listed on the London Stock Exchange. For more information www.e2v.com

e2v acquired Signal Processing Devices on 25 January 2016 for up to US$18 million (£12 million).