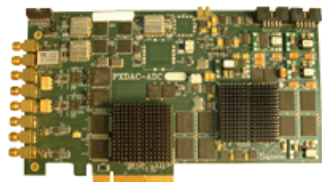


New 14-Bit Digitizer + AWG Combo PCIe Card

The new Signatec PXDAC-ADC2x2 is a high-speed, high-performance digitizer/generator (In/Out) PCI Express (PCIe) instrument card that allows lightning fast data processing with a user custom programmable Xilinx Virtex-5 SX95T FPGA. Never before has such powerful functionality been offered on a low cost, compact PCIe card.

The convenience and cost savings of ADCs and DACs on the same board may be exploited in Stimulus-Response and Record & Playback applications. However, in its most innovative operating mode and with no interaction with the host PC, the PXDAC-ADC2x2 is able to acquire data with its ADCs, process these data with sub-microsecond latency within its FPGAs and then rapidly generate the resulting processed data out its DACs.



Starting at \$8,675 USD

- ADC: 2 x 14-bit, 400 MSPS, 500 kHz to 400 MHz Bandwidth, 1 GB RAM, AC-Coupled Input Channels
- DAC: 2 x 14-bit, 1.2 GSPS, 2 MHz to 400 MHz Bandwidth, 1 GB RAM, AC-Coupled Output Channels
- Xilinx Virtex-5 SX95T Programmable FPGA
- Sustained PCIe Data Streaming up to 1.4 GB/s to PC
- Sustained PCIe Data Streaming up to 900 MB/s from PC

The PXDAC-ADC2x2 model is designed for customized embedded application use and is not a general purpose product. The PXDAC-ADC2x2 requires engineering collaboration to create a customized finished product tailored to the customer's specific embedded application requirements.

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Meet us at AUTOTESTCON

DynamicSignals will be exhibiting at AUTESTCON 2014 with our partner Astronics Test Systems and will be demonstrating:

Visit us at Booth #219



St. Louis, MO
September 15-18, 2014

- Laptop Wideband Signal Analyzer System for Signals up to 20 GHz with Portable Receiver Connected to 14-bit Digitizer ExpressCard & SpectraScopeRT Software
- Portable USB Based Digital Sensor Unit Featuring 6 High-Level Voltage Sensor Inputs for Temperature, Humidity, Dust, Smoke, Light and Intrusion Detection with Monitoring/Alarm Sensor Status

AUTOTESTCON is the world's premier conference that brings together the military/aerospace automatic test industry and government/military acquirers and users to share new technologies, discuss innovative applications, and exhibit products and services. It is sponsored annually by the IEEE.

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With core competencies in engineering, manufacturing and sales distribution, DynamicSignals provides a broad range of data acquisition solutions MIL-Aero, test & measurement, medical, and industrial applications to customers worldwide.

DynamicSignals LLC is an ISO 9001:2008 Certified Company

Meet us at AOC Symposium & Convention

Visit us at Booth #1110



Washington D.C.
October 6-9, 2014

DynamicSignals will be exhibiting at the AOC Symposium & Convention and will be demonstrating our IF Recording & Playback Systems.



Our downconverter receivers allow wideband signal coverage from 100 kHz to 20 GHz featuring a single RF input and 3 software selectable IF bandwidths, from 10 MHz to 100 MHz. The carrier center frequencies can be tuned from 50 MHz to 20 GHz, using direct digitization below 50 MHz.

SpectraScopeRT is a real-time Spectrum Analyzer program designed to work with our wideband downconverters and high-speed digitizers and can be used to control the receiver center frequency and bandwidth, plus digitizer selection and functions. SpectraScopeRT features various X,Y display scale viewing options, multiple cursors, averaging, printing, save/recall of setups, and many other useful features for Spectrum Analyzer type functionality.

The Association of Old Crows (AOC) Symposium & Convention is the leading annual trade event for Electronic Warfare (EW), Information Operations (IO) and Electromagnetic Spectrum Operations (EMSO) professionals from around the world. The theme for this year's event is "Electromagnetic Spectrum Operations in Contested and Permissive Environments".

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[PCIe/PCI Digitizers](#)

With sampling rates up to 4 GS/s and very deep on-board acquisition memory of up to 16 GB, our high speed PCIe and PCI digitizers provide optimal combination of high sampling speed, high resolution and high memory.

[Waveform Generators](#)

Arbitrary waveform generators or function generators capable of creating custom stimuli for testing complex analog and digital circuits.

[USB Oscilloscopes](#)

USB Oscilloscopes feature high vertical resolution with up to 1.2 GS/s sampling in a compact USB 2.0 format.

[eXpert FPGA Technology](#)

Flexible and customizable FPGA technology on-board GaGe high speed digitizers or pc oscilloscopes. Designed to be transparent to GaGe's standard CompuScope drivers for Windows - no special software is required.

[High-Performance Systems](#)

Performance systems for signal applications in portable, laptop, desktop tower, 3U-9U rackmount, and expansion chassis form factors.

[Oscilloscope Software](#)

Programming-free PC oscilloscope software for GaGe high speed digitizers or digital oscilloscopes and arbitrary waveform generators. LabVIEW, MATLAB, and C/C#/C++ SDKs also available.



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