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New P25M PCI card with Texas Instruments TMS320C6713 flexible DSP plus a reconfigurable FPGA Accelerates System Development

Simi Valley, CA - January 17, 2007 - Innovative Integration is shipping their new P25M, a powerful and flexible DSP + FPGA for signal processing and real-time control in PCI systems. The P25M PCI card is built around the powerful, C-friendly, 300 MHz floating point Texas Instruments (TI) TMS320C6713 DSP. The P25M PCI card also features a 1M gate FPGA with 4 channels of 25MSPS, 16-bit A/D and 4 channels of 50MSPS, 16-bit D/A. Supporting this open-architecture hardware platform, the Pismo software tool set provides target and host libraries, practical utilities and numerous example programs that illustrate the use of all board peripherals. *Customers will benefit greatly from the FrameWork Logic development tools that provide comprehensive support for adding signal processing to the FPGA. The full-featured logic and DSP programming tools greatly accelerate all facets of the system development.*

The FPGA logic is reconfigurable on the P25M and may be customized using the FrameWork Logic development tools. The P25M integrates 4 A/D and 4 D/A channels with the FPGA core. The A/Ds and D/As have a direct connection to the FPGA for high-speed DSP applications in the FPGA.

The P25M Pismo tool kit is a powerful collection of software libraries, utilities, examples projects and interactive help file that allow developers to be very productive from the start. Numerous program examples with source code demonstrate the usage of every peripheral on the board. Extensive C/C++ libraries, example source code, DSP/BIOS™ peripheral drivers, mailbox messaging and bulk data transfer to/from PC are fully integrated in TI's Code Composer Studio™ Integrated Development Environment. Pismo makes extensive use of TI's DSP/BIOS™ real-time kernel, which simplifies code development of complex, multi-thread applications by providing drivers, scheduling services and run-time management of all DSP resources to optimize bandwidth. Pismo includes two groups of Host Side support tools: Extensive C++ libraries with sophisticated program examples and turnkey utilities.

Logic development using VHDL and MATLAB is supported. The board support package for MATLAB Simulink and Xilinx System Generator provides a comprehensive development and simulation toolset for DSP development and testing.

The P25M board can be configured or modified to fit specific requirements and provide an optimal mix of performance, cost and features. The P25M quantity one price is \$2,495.00

About the Texas Instruments DSP Third Party Network

Innovative Integration is a member of the TI DSP Third Party Network, a worldwide organization of independent companies that offer products and services supporting TI DSPs. TI third parties provide expertise across a variety of applications, including audio, control, telecommunications, video and imaging and wireless communications. Third party products and services include a broad range of application software, development hardware and software, and consulting services that support original equipment manufacturers' efforts to bring differentiated products to the market quickly. For more information about the TI DSP Third Party Network, please visit <http://www.ti.com/3p>.

About Innovative Integration

For more than 18 years, Innovative Integration Inc. has designed and manufactured industry-oriented, high-end DSP boards for rapid deployment. Innovative Integration products feature rich peripherals, high-quality analogs and superior software toolsets for PCI, cPCI and stand-alone systems. To learn more, visit www.innovative-dsp.com.

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