National Instruments Germany GmbH
Ganghoferstraße 70 b ● 80339 München
Tel.: 089 7413130 ● Fax: 089 7146035

PRESS RELEASE

Editor Contact: Rahman Jamal, Technical & Marketing Director Europe
Eva Heigl, Marketing Communications Manager Central European Region
Tel.: +49 89 7413130
Fax: +49 89 7146035

USB Plug and Play Comes to the NI LabVIEW RIO Architecture

Press release, VIP Days, Oct. 23, 2013 – National Instruments (Nasdaq: NATI) today announced four new R Series boards (**USB-7855R**, **USB-7856R**, **USB-7855R OEM** and **USB-7856R OEM**) with USB connectivity, which help engineers add FPGA technology to any PC-based system using one of the most widely adopted buses on the market. These products, based on the **LabVIEW RIO architecture**, are a result of the company's continued investment in the R Series product family.

The LabVIEW RIO architecture is an integral part of the NI graphical system design platform. A modern approach to designing, prototyping and deploying embedded monitoring and control systems, graphical system design combines the open **NI LabVIEW graphical programming environment** with commercial off-the-shelf hardware to dramatically simplify development, which results in higher-quality designs with the ability to incorporate custom design.

"Using these new USB R Series devices, engineers and scientists can create highly customizable measurement and control systems using standard PC technology," said Jamie Smith, director of embedded systems marketing at National Instruments. "They are ideal for high-performance medical, life science and semiconductor machines."

Key features:

- **Xilinx Kintex-7 FPGA:** Implement tasks like custom timing and triggering, synchronization, multirate sampling, high-speed control and onboard signal processing.
- **Improved I/O:** Take advantage of analog input and analog output rates of up to 1 MHz for closed-loop control tasks, as well as digital I/O (DIO) rates of up to 80 MHz.
- **Selectable Logic Levels From 1.2 to 3.3 V:** Adjust DIO levels to meet specific application requirements.
- **Selectable Gain for Analog Input Ranges:** Get more resolution at lower voltage ranges.
- **OEM Options Available:** Get the same power in a board-only form factor with the flexibility to create your own I/O interface.

Learn more about the **new USB R Series boards**.

About National Instruments

Since 1976, National Instruments (**www.ni.com**) has equipped engineers and scientists with tools that accelerate productivity, innovation and discovery. NI's graphical system design approach provides an integrated software and hardware platform, speeding the development of any system needing measurement and control. NI ensures customer success with an ecosystem of services, support and more than 700 Alliance Partners worldwide. The company's long-term vision and focus on improving society through its technology also enables the success of its employees, suppliers and shareholders.

Reader Contact:

Germany:
National Instruments Germany GmbH
Ganghoferstraße 70 b | 80339 München
Tel.: +49 89 7413130 | Fax: +49 89 7146035
info.germany@ni.com | ni.com/germany

Austria:
National Instruments GesmbH
Plainbachstr. 12 | 5101 Salzburg-Bergheim
Tel.: +43 662 457990-0 | Fax: +43 662 457990-19
ni.austria@ni.com | ni.com/austria

Switzerland:
National Instruments Switzerland Corp. Austin,
Zweigniederlassung Ennetbaden
Sonnenbergstr. 53 | 5408 Ennetbaden
Tel.: +41 56 2005151 | Fax: +41 56 2005155
ni.switzerland@ni.com | ni.com/switzerland