

National Instruments has announced four new R Series boards (USB-7855R, USB-7856R, USB-7855R OEM and USB-7856R OEM) with USB connectivity. {K2Splitter} National Instruments has announced four new R Series boards (USB-7855R, USB-7856R, USB-7855R OEM and USB-7856R OEM) with USB connectivity. These products are based on the LabVIEW RIO architecture which 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.

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.

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