

Product Family Increases FPGA-based I/O Performance for PXI Test Systems

National Instruments announces a new family of open, FPGA-based hardware for the PXI platform. The NI FlexRIO product family is a commercial off-the-shelf (COTS) solution that provides engineers with the flexibility of NI LabVIEW FPGA technology combined with high-speed, instrument-class I/O. With NI FlexRIO, engineers can add custom signal processing algorithms to their PXI-based field-programmable gate array (FPGA) hardware. Then, with interchangeable adapter modules, they can directly interface the FPGA to instrument-class I/O or create their own custom front-end hardware to meet their specific application requirements. With these capabilities, engineers can employ techniques such as in-line processing, hardware-in-the-loop (HIL) simulation and protocol-aware test required during the design and testing of many complex electronic devices.

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