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# PRESS RELEASE

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## **Reduce Measurement System Cost With the New, Rugged CompactDAQ Controller**

*The CompactDAQ 4-slot controller integrates an Intel Atom processor and high-accuracy measurements into a small, affordable form factor.*

**AUSTIN, Texas – Aug. 5, 2014 – NIWeek** – NI (Nasdaq: NATI), the provider of solutions that enable engineers and scientists to solve the world’s greatest engineering challenges, today announced the [CompactDAQ 4-slot controller](#). By integrating the processor, signal conditioning and I/O into a single [CompactDAQ](#) system, engineers and scientists can reduce overall system cost and complexity while increasing measurement accuracy. Integrated measurement systems reduce the number of components, connections and wiring needed, where noise and additional costs are often introduced, to ensure high-accuracy measurements and cost-optimized systems.

“Because the CompactDAQ controller is a stand-alone device, we don’t have to spend money on a separate computer, signal conditioning or cabling,” said Ryan Ewart, mechatronics engineer at Yanos Aerospace. “Using the CompactDAQ platform, we’ve reduced system complexity, cost and installation time.”

The CompactDAQ controller features an Intel Atom dual-core processor that can run either industry-standard Windows Embedded 7 or [NI Linux Real-Time](#) for ultimate system reliability. By pairing industry-standard OS options with [LabVIEW system design software](#), customers can easily port LabVIEW code from existing measurement systems to these new CompactDAQ controllers. Engineers and scientists can combine LabVIEW and over 60 sensor-specific I/O modules for CompactDAQ to quickly customize data acquisition systems to meet their specific application needs.

“We designed this next-generation CompactDAQ controller based on customer feedback, making it smaller, less expensive and more rugged,” said Stefanie Breyer, director of data acquisition R&D at NI. “By leveraging the latest Intel Atom 3800 processor within the controller, our customers can deploy powerful processing paired with high-accuracy measurements anywhere.”

## Key Features

- *Integrated Intel Atom Dual-Core Processor:* Reduce system cost and take your measurement system anywhere by having an integrated processor built into the measurement system.
- *Removable SD Storage:* Forget about data storage limits with hot-swappable, removable SD storage.
- *Integrated CAN/LIN Port:* Cut costs by taking advantage of the built-in CAN/LIN port.
- *Four C Series Module Slots:* Mix and match a variety of I/O types, including AI, AO and DIO to meet your specific application needs.
- *Rugged Form Factor:* Take measurements in high shock and vibration environments as well as temperatures ranging from -40 °C to 70 °C.

To learn more about the CompactDAQ 4-slot controller, visit [ni.com/compactdaq/controllers](http://ni.com/compactdaq/controllers).

## About National Instruments

Since 1976, National Instruments ([www.ni.com](http://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.

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