

August 4, 2015

Austin, Texas – [NIWeek](#)

For immediate release

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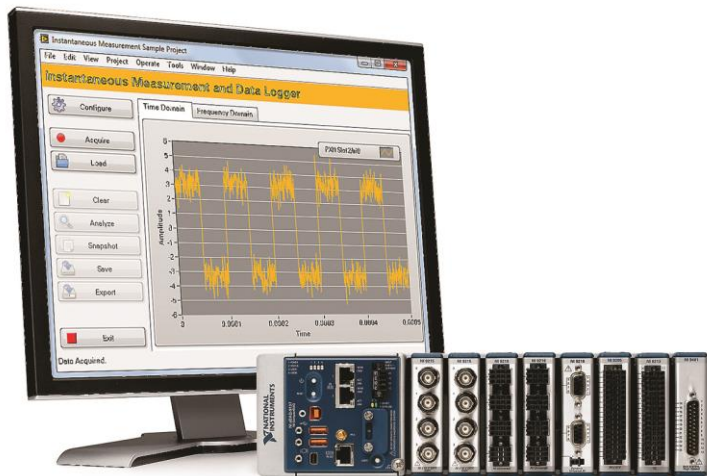
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NI Helps Engineers Solve Big Data Challenges With New CompactDAQ Hardware and DIAdem 2015 Software

New CompactDAQ measurement systems with Intel Atom quad-core and USB 3.0 technology, DIAdem 2015 and DataFinder Server Edition 2015 create smarter measurement and data management solutions



NI (Nasdaq: NATI), the provider of platform-based systems that enable engineers and scientists to solve the world's greatest engineering challenges, announced today new hardware and software additions to help engineers create smarter measurement and data management solutions: new 4- and 8-slot CompactDAQ controllers featuring quad-core processing, a new 14-slot USB 3.0 CompactDAQ Chassis, DIAdem 2015 and DataFinder Server Edition 2015.

With the exponential growth of engineering data, smarter, software-based measurement systems help users embed intelligence and processing at the point of acquisition, capturing only the most necessary data. The new 4- and 8-slot CompactDAQ controllers feature Intel Atom quad-core 1.91 GHz E3845 processors, programmable with new [LabVIEW](#) 2015 system design software, so engineers and scientists can customize their data acquisition systems to add functionality like processing, intelligence and control. The new controllers can run either Windows Embedded 7 or [NI Linux Real-Time](#), and include 32 GB of nonvolatile storage and removable SD storage to create smarter data logging and embedded monitoring applications.



The new USB 3.0 [CompactDAQ Chassis](#) helps users scale their measurement systems to higher-channel-count applications without reducing transfer speed. With a 14-slot expansion capacity and USB 3.0 streaming capabilities, the new CompactDAQ Chassis and LabVIEW software can handle current data acquisition needs and easily adapt to meet future needs in a single system.

To make critical data-driven decisions, an enterprise data management solution is paramount to managing, analyzing and visualizing big data. NI is releasing DIAdem 2015 as 64-bit software, so users can load and analyze more data than before. DataFinder Server Edition 2015 delivers multistep querying that can be sent out to a global federation of servers to find the data users need to analyze in seconds.

Key features of new high-performance CompactDAQ controllers:

- Integrated Intel Atom quad-core 1.91 GHz processor
- More than 60 sensor-specific I/O modules with integrated signal conditioning
- Two integrated USB and Gigabit Ethernet ports, RS232 serial, trigger input and user button
- Removable SD storage to easily access data

Key features of the new higher-channel-count CompactDAQ Chassis:

- 14 slots to integrate more C Series I/O modules into a single system
- Data transfer rates of more than 250 MB/s with USB 3.0
- Easily scale existing NI-DAQmx code with the same software user experience as current CompactDAQ USB chassis

Key features of DIAdem 2015:

- 64-bit release to load and analyze more data within the DIAdem environment
- Improved search capabilities to globally find specific data sets for analysis
- New data visualizations and analysis functions

To learn more about the CompactDAQ hardware platform, visit www.ni.com/data-acquisition/compactdaq.

To learn more about DIAdem 2015 and DataFinder Server Edition 2015, visit <http://www.ni.com/diadem/> and <http://www.ni.com/datafinder/>.

About National Instruments

Since 1976, NI (ni.com) has made it possible for engineers and scientists to solve the world's greatest engineering challenges with powerful, flexible technology systems that accelerate productivity and drive rapid innovation. Customers from a wide variety of industries – from healthcare to automotive and from consumer electronics to particle physics – use NI's integrated hardware and software platform to improve the world we live in.