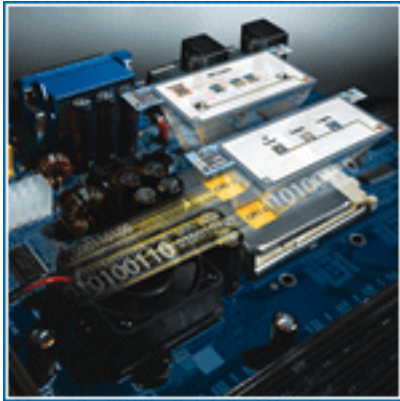


Graphical System Design Software Includes Real-Time Multicore Support



National Instruments announced LabVIEW 8.5, the latest version of the graphical system design platform for test, control and embedded system development. The latest version combines the familiar graphical programming environment with commercial multicore hardware to achieve performance gains. Additionally, it introduces the LabVIEW Statechart Module for higher-level designs to run on targets including FPGAs, real-time systems, PDAs, touch panels and a variety of microprocessors. The LabVIEW Statechart Module is an add-on that gives engineers an alternative to designing systems with a high-level diagram based on the Unified Modeling Language (UML) standard. Statecharts are commonly used to design state machines that model the behavior of real-time and embedded systems to depict event occurrences and responses for designing digital communication protocols, machine controllers and system-protection applications. Embedded developers can use the Statechart Module to design software combined with real-world I/O running on deterministic real-time or FPGA-based hardware with familiar, high-level statechart notations. Engineers and scientists can get their designs to market faster with the combination of high-level design tools, including statecharts and simulation diagrams, with low-level multicore support that a single platform empowers.

National Instruments

(800) 258-7022, www.ni.com [1]

Click here for more information: www.ni.com/labview85/embedded.htm [2]

Source URL (retrieved on 03/05/2015 - 2:04pm):

http://www.ecnmag.com/product-releases/2007/08/graphical-system-design-software-includes-real-time-multicore-support?qt-most_popular=0&qt-video_of_the_day=0

Links:

[1] <http://www.ni.com/>

Graphical System Design Software Includes Real-Time Multicore Support

Published on Electronic Component News (<http://www.ecnmag.com>)

[2] <http://www.ni.com/labview85/embedded.htm>