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ECLIPSE AND EMBEDDED LINUX SUPPORT ADDED TO MATHWORKS CODE GENERATION TOOLS

New Integration Enables Model-Based Design Support for Open-Source Embedded Tools

NATICK, Mass. – May 17, 2010 – [MathWorks](http://www.mathworks.com) today announced that its [Target Support Package](#) and [Embedded IDE Link](#) products now support the Eclipse integrated development environment (IDE) and Embedded Linux through the GNU compiler tool chain. As a result, engineers can automate project creation in Eclipse and deploy real-time embedded systems on Linux using automatically generated code from MATLAB and Simulink models. These capabilities enable engineers using Model-Based Design to rapidly implement and verify algorithms on processors that can run Embedded Linux, such as ARM, Freescale, and Intel.

Embedded Linux is the most widely used operating system in embedded devices for consumer electronics, medical instruments, networking equipment, industrial automation, and navigation. Eclipse is an open-source IDE platform supporting tool integration from various vendors; it is increasingly becoming the development environment of choice for embedded software engineers.

“This integration lets engineers using Embedded Linux and Eclipse take advantage of the faster development cycles and improved design quality that are enabled with Model-Based Design,” said Tom Erkinen, embedded application manager at MathWorks.

Key support highlights include:

- Real-time audio algorithm prototyping on a PC running Linux with audio sound card support using ALSA drivers
- General purpose Beagle board support including the OMAP 3530 processor (ARM 9 and TI C64x+ DSP) with onboard peripherals
- Embedded signal processing algorithm implementation on TI DM355 EVM boards (based on ARM 9) running MontaVista Linux

Learn more about how MathWorks products support Eclipse and Embedded Linux by visiting www.mathworks.com/programs/embedded-linux-matlab/.

Pricing and Availability

Embedded IDE Link and Target Support Package are available immediately. U.S. list prices start at \$2000 and \$3000 respectively. More information, including international pricing, is available at the Web sites for [Target Support Package](#) and [Embedded IDE Link](#).

About MathWorks

MathWorks is the leading developer of mathematical computing software. MATLAB, the language of technical computing, is a programming environment for algorithm development, data analysis, visualization, and numeric computation. Simulink is a graphical environment for simulation and Model-Based Design of multidomain dynamic and embedded systems. Engineers and scientists worldwide rely on these product families to accelerate the pace of discovery, innovation, and development in automotive, aerospace, electronics, financial services, biotechnology, pharmaceutical, and other industries. MathWorks products are also fundamental teaching and research tools in the world's universities and learning institutions. Founded in 1984, MathWorks employs more than 2100 people in 15 countries, with headquarters in Natick, Massachusetts, USA.

For additional information, visit www.mathworks.com.

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