



**Press Contacts:**

Sriya Kodial  
MathWorks, Inc.  
(508) 647-2030  
[Sriya.kodial@mathworks.com](mailto:Sriya.kodial@mathworks.com)

Lisa Silver  
Text 100 Public Relations  
(617) 723-1044  
[mathworks@text100.com](mailto:mathworks@text100.com)

**MathWorks Extends FPGA Support For Model-Based Design to xPC Target**

*xPC Target Turnkey Systems Now Offer FPGA Programming Capability  
from Simulink Models*

**NATICK, Mass. - June 22, 2011** - [MathWorks](#) today announced the availability of [xPC Target 5.0](#), which provides support for FPGAs, extending the rapid prototyping workflow for [Model-Based Design](#). Now engineers can leverage automatically generated HDL to program FPGA boards from Simulink models for execution on [xPC Target Turnkey](#) systems. As a result, they can prototype and validate their Simulink designs in a high-performance, real-time target system and speed up their development cycle.

With xPC Target, computationally intensive algorithms can now run on FPGA boards that provide speed and flexibility. Control systems engineers can program FPGA boards for xPC Target Turnkey systems using code generated by [Simulink HDL Coder](#), accelerating designs to meet higher performance requirements. The new capability offers the ability to reconfigure digital input/output (I/O) modules and to implement high speed algorithms for controls or signal processing within real-time testing and prototyping environments.

In addition to FPGA support, other key new product features include:

- Task-level profiling of execution times to help with load balancing
- Support for cameras based on the Camera Link interface standard
- Image acquisition from USB webcams
- Ability to send and receive UDP packets in real time

**Availability and Pricing**

xPC Target is available immediately. U.S. list prices start at \$4,000. For further information on the product and xPC Target Turnkey systems, visit the product Web site at [mathworks.com/products/xpctarget](http://mathworks.com/products/xpctarget).

**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, biotech-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 2200 people in 15 countries, with headquarters in Natick, Massachusetts, USA. For additional information, visit [www.mathworks.com](http://www.mathworks.com).

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