



# Embedded Development Kit

Programmable System Design is Now Easier than Ever



## The Challenges

- Developing a custom processing system using traditional solutions involves risk, restrictions, time delays, and challenges in both resources and cost
- Programmable system platforms that include hard and soft processor core options, along with soft peripherals to implement a complete SoC in an FPGA, can resolve these issues

## The Xilinx Solution

- By combining a flexible Platform FPGA with a tightly integrated embedded design environment, the Xilinx Embedded Development Kit (EDK) streamlines the platform development process and accelerates your time to market
- This kit includes PowerPC and MicroBlaze embedded design support with the award winning Platform Studio tool suite and a broad processing IP catalog

### • Create Better Embedded Systems while Saving Time and Money

The Xilinx Embedded Development Kit (EDK) is a comprehensive suite of integrated development environment, software tools, configuration wizards, and IP that facilitates your design and utilizes all of the flexibility offered by a programmable platform.

- **Create Designs Faster.** The Xilinx Platform Studio tool chain allows you to quickly configure a hardware platform and create a custom software design that includes appropriate libraries as well as automated generation of device drivers and a complete BSP (Board Support Package). This productive environment saves time by accelerating design steps that would otherwise be manual and error-prone.

- **Create High Performance, Customized Designs.** Create your own custom-processing platform while reducing your system cost by consolidating external functions into the FPGA. Select the perfect balance of feature and size for your system, and optimize hardware/software design trade-offs for the best price-performance results.

## The Embedded Development Kit Includes:

- **Xilinx Platform Studio (XPS) Tool Suite.** Including: Graphical IDE and command line support for developing and debugging HW/SW platforms for embedded applications; intelligent design wizards to quickly configure the embedded system architecture, buses and peripherals
- **Software Development Tools for MicroBlaze and PowerPC.** Including: GNU C/C++ compiler and debugger; Xilinx Microprocessor Debug (XMD) target server; Data2MEM utility for bitstream loading and updating; Base System Builder configuration wizard; and Platform Studio SDK (Software Development Kit) software-centric design environment based on Eclipse IDE
- **Board Support Packages (BSPs).** Including: Stand Alone BSP – For non-RTOS systems (MicroBlaze and PowerPC); Wind River VxWorks and Embedded Linux (PowerPC); and support for Xilinx MicroKernel (XMK) Systems
- **Processing IP and MicroBlaze Soft Processor Core.** Pre-verified IP catalog, including a wide variety of processing peripheral cores for customizing your embedded systems as well as the flexible MicroBlaze 32-bit soft processing core

## Take the Next Step

Order the Xilinx Embedded Development Kit Today.

Part Number	Description	Pricing
DO-EDK	Embedded Development Kit	Contact your local Xilinx representative for pricing and availability

For the latest information on the Embedded Development Kit go to: [www.xilinx.com/edk](http://www.xilinx.com/edk)

For more information on Xilinx Processing Solutions, HW/SW Development Kits, IP Catalog, Design Services, Training Courses or Embedded Alliance Partners, please visit:

[www.xilinx.com/processor](http://www.xilinx.com/processor)

## Corporate Headquarters

Xilinx, Inc.  
2100 Logic Drive  
San Jose, CA 95124  
Tel: 408-559-7778  
Fax: 408-559-7114  
Web: [www.xilinx.com](http://www.xilinx.com)

## Europe Headquarters

Xilinx Ireland  
One Logic Drive  
Citywest Business Campus  
Saggart, County Dublin  
Ireland  
Tel: +353-1-464-0311  
Fax: +353-1-464-0324  
Web: [www.xilinx.com](http://www.xilinx.com)

## Japan

Xilinx, K. K.  
Shinjuku Square Tower 18F  
6-22-1 Nishi-Shinjuku  
Shinjuku-ku, Tokyo  
163-1118, Japan  
Tel: 81-3-5321-7711  
Fax: 81-3-5321-7765  
Web: [www.xilinx.co.jp](http://www.xilinx.co.jp)

## Asia Pacific Pte. Ltd.

Xilinx, Asia Pacific  
No. 3 Changi Business Park Vista, #04-01  
Singapore 486051  
Tel: (65) 6544-8999  
Fax: (65) 6789-8886  
Web: [www.xilinx.com](http://www.xilinx.com)



[www.xilinx.com](http://www.xilinx.com)