



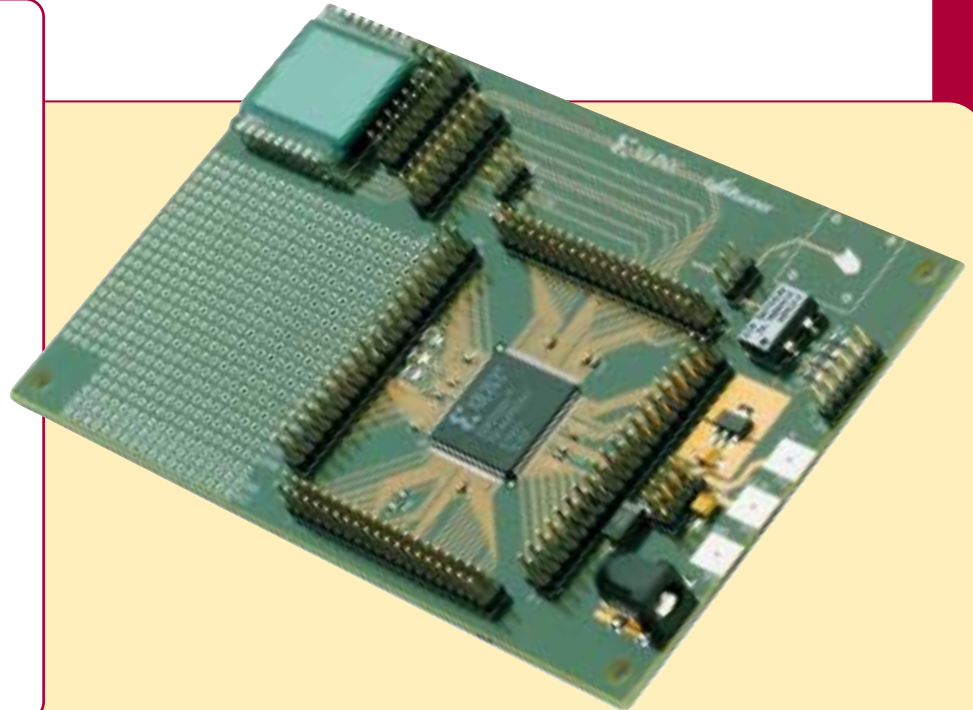
# CoolRunner™ XPLA3 Development Kit

## Product Brief

The CoolRunner XPLA3 Development Kit verifies low power, programmable logic design applications.

### CoolRunner Development Kit Includes:

- CoolRunner XPLA3 Development Board
  - CoolRunner XCR3256XL-7TQ144 CPLD
  - JTAG Programming Port
  - 3.3 V regulator
  - Two-digit, seven-segment LCD display
  - 32.768 KHz low power oscillator
  - Large prototype area
- AC-to-DC power supply (Americas only)
- Application notes
- Bundled software options



## Product Description

The CoolRunner XPLA3 Development Kit delivers a low power prototyping platform for the advanced CoolRunner XPLA3 family. The CoolRunner XPLA3 offers an ultra low power CPLD architecture without sacrificing system performance. With a standby current of less than 100 uA and a pin-to-pin propagation delay less than 6 ns, the XPLA3 performance is ideal for portable or battery power systems.

The board included in the XPLA3 Development Kit contains the 256 macrocell, 3.3 V XPLA3 device. Using the TQ144 package, there are over 100 user I/O signals available. Each of these signals is brought out to header strips surrounding the CPLD, allowing for easy prototyping and expansion.

A low power 32.768 KHz oscillator, TI 3.3 V regulator, two-digit LCD display, JTAG interface, and large prototype area complete the platform design. Power can be supplied directly or through the on-board regulator.

Since the XPLA3 device is often used in power sensitive applications, maximum flexibility for power measurement was built into the development board.

Development software to create designs for the XPLA3 family is available in the free downloadable Xilinx ISE WebPACK. This software is provided on CD, along with a JTAG programming cable, in the WebPACK version of the XPLA3 kit. This combination of development board, software, and programming cable make the CoolRunner XPLA3 Development Kit the perfect choice for low power design applications.

## Ordering Information

CoolRunner XPLA3 Development Kit	Americas Part #	International Part #
CoolRunner XPLA3 Development Kit	DS-KIT-XPLA3	DS-KIT-XPLA3-EURO
Kit with WebPack CD and JTAG Cable	DS-KIT-XPLA3-PAK	DS-KIT-XPLA3-PAK-EURO

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