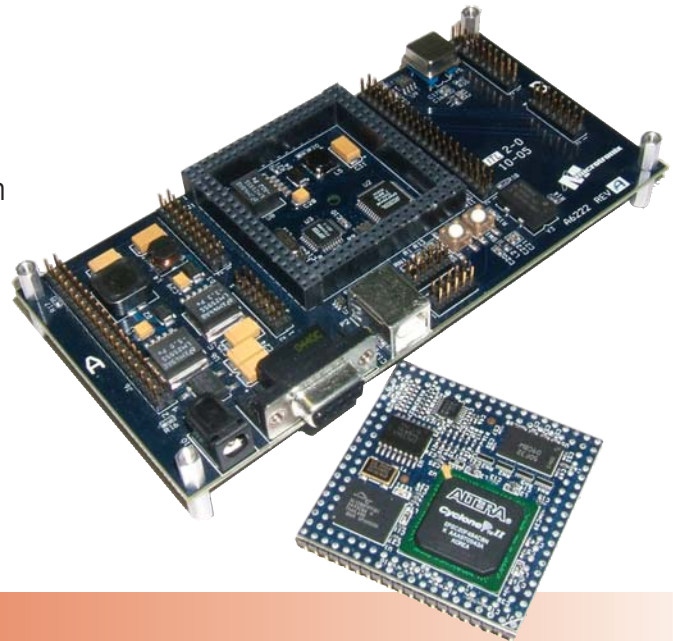


Product DATA SHEET

Features

- Altera Cyclone II FPGA
- SDRAM and Flash Memory for running uClinux
- Up to 12,000 LE's for FPGA design & IP integration
- Up to 95 user I/O
- Low profile, 0.1" male headers
- Two Santa Cruz expansion headers
- Built-in USB Blaster cable functionality
- RS-232 Serial Device Interface
- Preloaded with a 90 MHz Nios II Core
- Preloaded with uClinux 2.6 and source code



DESCRIPTION

Get your next product to market in weeks, instead of months, with the modular Firefly II Product Starter Kit available exclusively from Microtronix. Jump start your Firefly II development with our cost-effective, feature rich development kits.

Our modular system allows you to combine the peripherals you need for your next product using our specialized Santa Cruz based cards. Once your development is complete, simply use the off-the-shelf Firefly II modules and a custom carrier board using the existing circuitry.

The Product Starter Kit comes with a Cyclone II Firefly module and a base board that includes two Santa Cruz expansion headers. Providing you with the flexibility to

build and the freedom to design. Also, no special programming cable is required since the USB Blaster cable technology is built right into the board! Developers can then select up to two modules.

Several off-the-shelf modules are available for this kit and more are in development. However it is possible to use the Santa Cruz headers for custom prototyping. Once the design is validated, it is simple to combine the individual components into a single board design using the Firefly II Module from Microtronix.

Upgrade your existing Firefly I modules used in your Altera Development Kit with the Microtronix Firefly II modules. They are pin for pin compatible, thereby allowing a simple and easy upgrade path for your new DSP based projects.

The Microtronix Product Starter Kit is an innovative development kit platform created to enhance prototyping for the Microtronix Firefly II configurable processor module. Using the base board platform, engineers can

MEMORY CONFIGURATION

TYPE	OPTIONS			
	<i>Default</i>			
SDRAM	16Mb	32Mb	64Mb	
Flash	8Mb	16Mb	32Mb	64Mb

mix and match peripheral functionality to build proof of concept designs using relevant and up to date technologies.

Extend the functionality of your design with our Product Starter Kit and one of the following Expansion modules:

- Ethernet MAC/PHY and USB 2.0 Board and drivers (P/N 6228-01-01)
- Compact Flash Type II Board, for data storage or wireless applications (P/N 6227-01-01)

Software Features

You get all of the software needed to begin working with the Firefly II module, Nios II processor, and embedded uClinux.

Get your product to market in weeks, instead of months!

CONTENT INFORMATION

- Firefly II EP2C35, or EP2C50
- Two Santa Cruz expansion headers
- Built-in USB Blaster cable functionality
- RS-232 interface
- Installation CD including the full uClinux 2.6
- 120/240 VAC Power supply and USB cable
- Device Drivers and Reference Designs

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
6222-35-11	Firefly II EP2C35 Product Starter Kit
6222-35-11-i	Firefly II EP2C35 Product Starter Kit (Industrial Grade)
6222-50-11	Firefly II EP2C50 Product Starter Kit
6222-50-11-i	Firefly II EP2C50 Product Starter Kit (Industrial Grade)

Where to Buy

This product is available online from: Microtronix webstore and through Microtronix authorized distributors.

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