BeMicro SDK-Based Motor Control Kit

BeInMotion

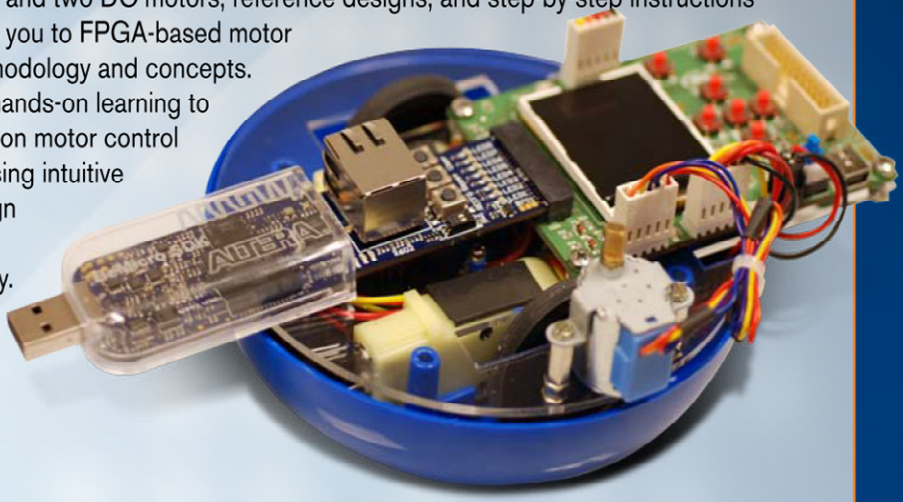
Motor Control Design–Made Easy »

Arrow Electronics created the BeInMotion kit to highlight the ease of developing a motor control design within a single FPGA device.

By combining strengths of key technology partners such as Altera®, Linear Technology, and SLS, the BeInMotion kit offers a cost-effective yet versatile platform to control multiple DC and stepper motors with tools that can scale to more advanced motor control designs.

Expand Your Capabilities with Intuitive FPGA Design Tools

The new BeInMotion Motor Control kit expands the capabilities of Arrow's BeMicro SDK platform that was launched last year. The kit comes complete with one stepper and two DC motors, reference designs, and step-by-step instructions to introduce you to FPGA-based motor control methodology and concepts. It provides hands-on learning to apply common motor control concepts using intuitive FPGA design tools and methodology.



Register Today for a BeInMotion Workshop Near You for only $145 and receive the entire BeInMotion kit.

Already have a BeMicro SDK? Attend the workshop for only $72 (receive the motor contol module only)

Hurry, seats and FREE kits are limited!

Visit arrow.com/beinmotion or call your Arrow representative now at 800-833-3557 to register, and for a complete list of workshop dates and locations.

ALTERA® LINEAR TECHNOLOGY SLS System Level Solutions samtec

Can't Attend a Workshop?

Request a lunch-and-learn with your local Arrow FAE today!

Drive Your Own FPGA Innovation

Discover how easy it is to build a scalable motor control system in a single FPGA.

The BeMicro SDK Motor Control kit enables you to:

- Control multiple DC motors synchronously
- Use an FPGA to create a closedloop control system for different motion parameters
- Drive a stepper motor with an analog feedback system
- Work with easy-to-use, familiar embedded tools

Key features:

- Altera® Cyclone® IV FPGA
- microSD and Ethernet interfaces
- USB-rechargeable battery
- Micron onboard mobile DDR memory
- Altera Nios® II embedded soft processor
- Two independently controlled DC motors
- Geared stepper motor with analog feedback
- Linear Technology battery gauge circuitry
- Samtec MEC6 Series 80-pin connector
- Free reference designs and examples
- Tools and IP to help you build your own designs

Five reasons you should put your motor control design in an FPGA:

- **System integration**
- **Design flexibility**
- **Scalability and performance**
- **Intuitive design methodology flow**
- **Extended product lifecycles**

#bemicro

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