

# GALIL MOTION CONTROL

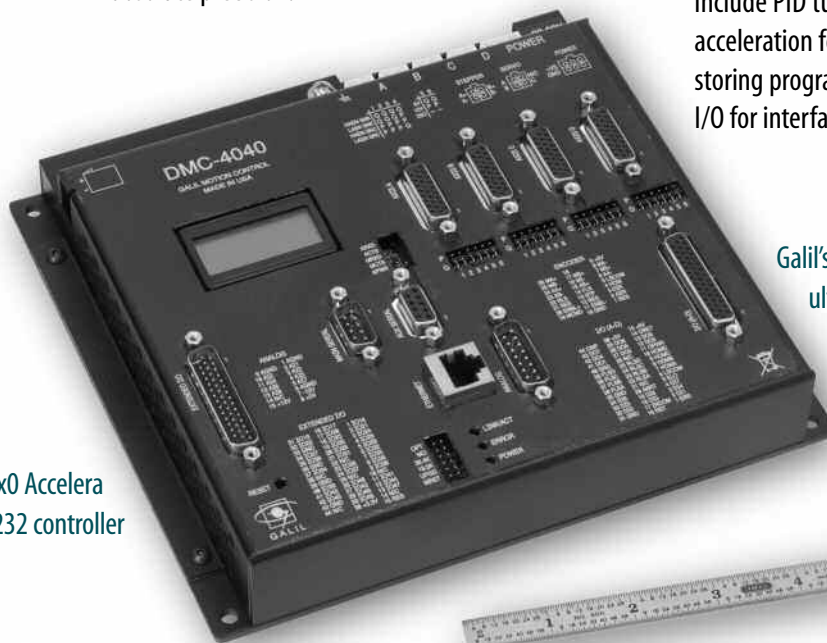
*We Move the World™*

## Innovator and Leader

With over 500,000 controllers sold, Galil is the leading manufacturer of motion controllers. Since our introduction of the first microprocessor-based motor controller in 1983, Galil has remained the industry's leading innovator. By offering our customers the most powerful, cost-effective and easy-to-use motion controllers available today, our commitment is to be your primary source for any motor control application. Galil's unparalleled array of motion controllers is backed by superior technical support and can accommodate the most demanding automation applications—with absolute precision.

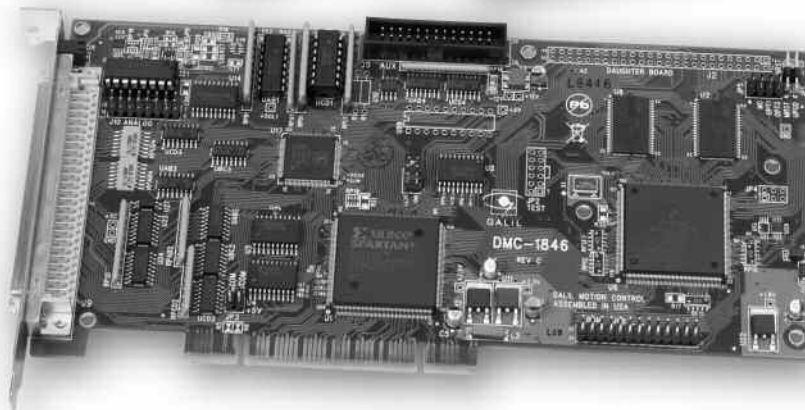
## Powerful Controllers to Solve Demanding Applications

Galil's motion controllers use a 32-bit microcomputer and are packed with intelligence and speed for handling any application no matter how simple or complex. Modes of motion include point-to-point positioning, linear and circular interpolation, electronic gearing, electronic cam, PVT, position following and much more. Galil's latest generation controllers, the Accelera series offer ultra-high speed and precision with 40 microsecond command processing, 32 microsecond servo loop updates, and 22 MHz encoder feedback. Features include PID tuning with notch filter, velocity and acceleration feedforward, non-volatile memory for storing programs, variables and arrays, and plenty of I/O for interfacing to external sensors.

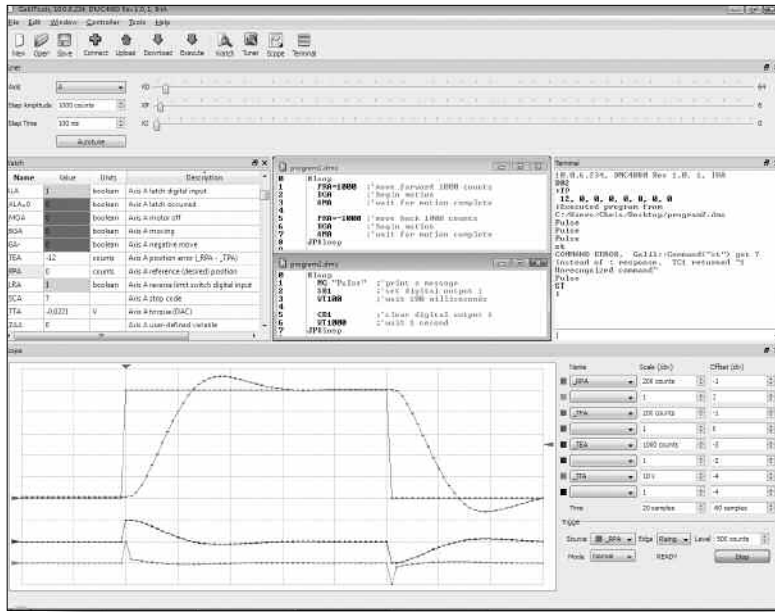


DMC-40x0 Accelera  
Ethernet/ RS232 controller

Galil's Accelera motion controllers offer ultra-high performance and speed.



DMC-18x6 Accelera  
PCI controller



GalilTools software makes PID tuning and viewing controller data quick and easy.

## Broad Range of Products

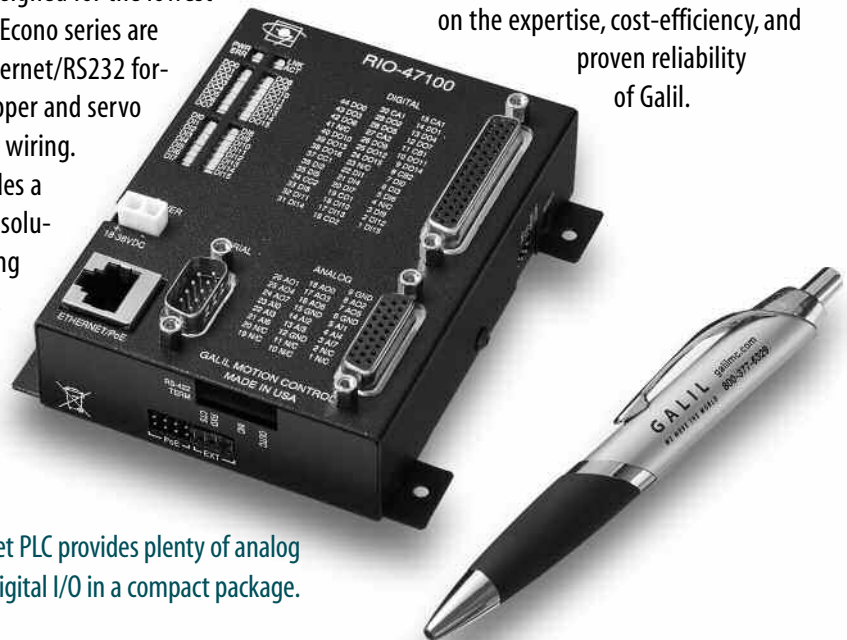
Galil's full product offering can accommodate all your motion and I/O needs. You can choose from single and multi-axis controllers, bus-based and stand-alone, and box-level and card-level controllers. The Accelera Series offers the highest speed and performance while the Econo Series is designed for the lowest cost. Both the Accelera and Econo series are available in PCI bus and Ethernet/RS232 formats. Plug-in drives for stepper and servo motors save space, cost and wiring. Galil's RIO Pocket PLC provides a compact and cost-effective solution for intelligently handling both analog and digital I/O.

## Easy-to-Use Controllers Get You to Market Quickly

It has always been a top priority at Galil to design and make controllers that are easy-to-use. That's why Galil controllers use two-letter, intuitive commands to make programming a snap. For example, the command *BG* begins motion; *SP* specifies the speed; and *ST* stops motion. With over 200 commands, you can quickly and easily program a Galil motor controller to handle virtually any application. Additionally, Galil provides software tools that simplify system set-up and tuning. The powerful GalilTools software provides "one-button" PID tuning and a multi-trace storage scope for display of real-time data such as position, speed and torque.

## Custom Solutions to Fit Any Application

If you cannot find a controller to meet your requirements, then Galil will design one specifically for you. We are geared to build cost-effective controllers to meet your criteria, whether adding a new command, changing connector style or accommodating a special communication network. With all the inherent costs, time and risks involved, there's no reason why you should design your own controller when you can rely on the expertise, cost-efficiency, and proven reliability of Galil.



Galil's Pocket PLC provides plenty of analog and digital I/O in a compact package.

## Cost-Effective Solutions Give You a Competitive Edge

Galil realizes how critical it is for OEMs to keep their equipment costs down, which is why we designed all of our controllers to give you great value. In fact, we guarantee 100% that our pricing for 100 quantity orders is the lowest in the industry. Go ahead and compare our prices versus the competition. For example, our DMC-1842 4-axis PCI bus controller is just \$795 in 100 quantities and \$395 in 1000 quantities. That's less than \$100 per axis. With prices this low, why bother to make your own controller!

## Continuing Education to Grow Your Knowledge

Galil has always made motion control education a priority for our customers. Our content-rich website is filled with information such as white papers, web tutorials, and numerous application examples. Galil also offers its web-based, "Motion Control Made Easy" course at no charge with product purchase. Customers find our 2-day workshop a great way to get a head start on their automation projects. This workshop includes hands-on labs which enable users to practice newly introduced concepts. Users also gain familiarity with tuning and programming motor controllers, and can spend quality one-on-one time with Galil engineers to discuss their individual project.

## World-class Support Assures Your Success

Every Galil controller you buy is backed by Galil's commitment to superior customer support. This includes a fully-trained technical support team with well over 100 years of motor control experience. To further assure your success, Galil works with a worldwide network of factory-trained, independent representatives who fully understand the requirements of your specific application and stand ready to demonstrate Galil products. They also represent manufacturers of motors, encoders, and drives which are compatible with Galil controllers.



*Galil's application engineers provide prompt technical assistance.*



*The mission of Galil's experienced Applications Department is to provide prompt and accurate technical assistance to help OEMs successfully deliver their products to market.*

## Galil. We Move The World

### *Delivering the Best Value — Anywhere*

Galil understands your need to work within budgets and keep costs down. That's why Galil absolutely guarantees that, with a minimum order of 100 high performance controllers within a 12-month period, our price in the U.S. will always be less than that of any other manufacturer. In fact, Galil's volume prices are typically half that of the competition.

To be assured of this low price, you simply need to:

- *Present a competitive price for 100+ controllers from a valid price list published within 90 days from a recognized manufacturer.*
- *Show that competitive motion controllers are equivalent, i.e. matching bus type, number of axes, I/O options, and quantity ordered.*
- *Show that competitive motion controllers have the following high performance features: 1) each axis is individually configurable for stepper or servo motors, 2) on-board application program memory is provided with symbolic variables and multi-tasking, and 3) on-board linear and true circular interpolation is provided with unlimited segments and continuous motion.*

With this guarantee, you have the word of Galil's top management that the prices you pay for Galil high performance controllers will be the best you can get — anywhere.

*Galil's price guarantee assures cost-effective solutions for OEMs.*

### Discover [www.galilmc.com](http://www.galilmc.com)

At [www.galilmc.com](http://www.galilmc.com), you will find a treasure-trove of valuable information — much of which is free — to keep you at the forefront of motion control technology. Galil welcomes and encourages you to take advantage of Galil's in-depth, technical website with detailed information on products and a wide array of application notes, articles, and on-line tutorials.

- **Product Specifications.** View product descriptions, pin-outs, command set and pricing on line.
- **On-line Bulletin Board.** Post a question and have it answered promptly by a Galil applications expert. Or, search the subject index for questions and answers similar to yours.
- **Motion Code™.** Galil's helpful engineering tool aids in the development of motion applications. Includes step-by-step design and downloadable code for several motion types.

- **Web-based Training on Motion Control.** Galil's popular "Motion Control Made Easy" class has been converted into a web-based course for your access 24/7. This is available free with your purchase of a Galil controller.
- **On-line Application Notes, Articles and Product Manuals.** Download complete technical information to stay up to date on technology, trends and products.
- **Web-based Tutorials.** Browse a library with over 20 technical tutorials on a variety of subjects such as tuning, programming and motor types.
- **Free Software Downloads.** Download the latest Galil communication drivers for all current versions of Windows and Linux.
- **MotorSizer™.** Easy-to-use tool for quickly sizing stepper or servo systems.
- **Two-minute Videos.** Galil's latest library of technical videos provides solutions to common motion and I/O problems.