



# MAC Controller Series

## MAC CONTROLLERS

- Stand Alone Operation
- Robot Kinematics
- Mix & Match Axis Types
- Wide Input Power Range (7-40V)
- 800 Mhz CPU Processor
- 64 Mb RAM
- 480 Mb SSD
- Windows CE 6.0
- Auto Configure for Replacement
- Customization Available

## FLEXIBLE HARDWARE

- Removable Connectors
- Configurable Digital/Analog I/O
- Multiple Encoder Types
- High Speed Capture
- Integrated Amplifier Options
- Din-Rail Ready

## POWERFUL SOFTWARE

- Inspired by MIT's "Scratch"
- Simple Drag, Drop, & Edit
- Create & Save Custom Blocks
- Parameter Test & I/O Viewer
- Integrated HMI Console Builder
- Customizable Test Scopes



The MAC Fixed Axis Count Multi-Axis Motion and Machine Controllers are ModuSystems' highest performance products. Whether the application is simple point-to-point motion, complex linear or circular interpolation, or even customizable Robot Kinematics; the MAC controllers are up to the task.

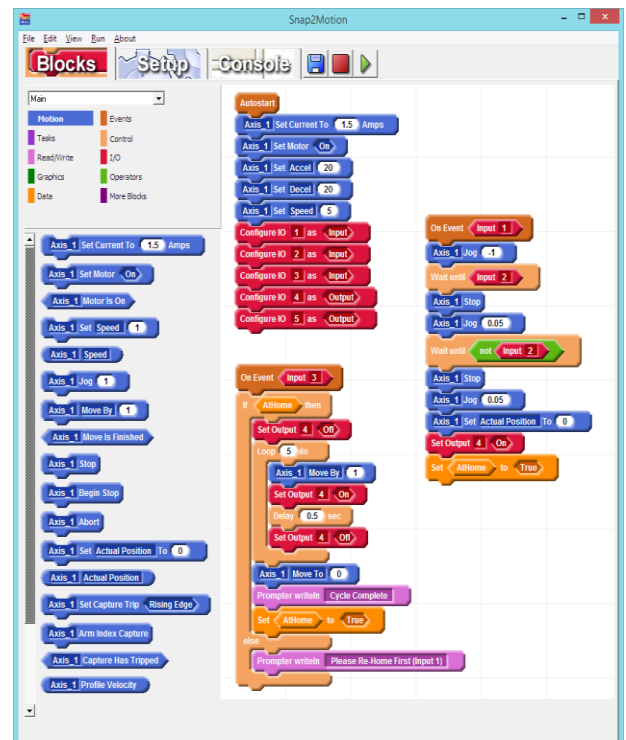
MAC Controllers are suited to High Axis Count and Coordination Applications. Utilizing the latest control architecture and proprietary Real Time Operating System (RTOS), ModuSystems is able to achieve update rates that allow even the most complex coordinated motion to be handled with ease.

Simple to Learn and Implement Software is inspired by MIT Media Lab's "Scratch", used throughout the world to introduce people to programming.

Software features include: Creating your own Scopes for Run-Time diagnostics, viewing the real time status of I/O bits, naming of axes, and creating custom subroutines.

## KEY FEATURES:

- Mix & Match Servo & Stepper Axes
- 2-16 Axes Coordinated Control
- Multi-Tasking (Up to 64 Concurrent Threads)
- (18) 24V General Purpose Inputs
- (8) 24V, 1A Sourcing Outputs
- Dedicated E-Stop Input
- Dual Encoder Frequencies up to 8 MHz
- Optional Integrated Stepper Amplifiers
- Option Slot for Additional Axes or I/O
- Powerful yet Simple Software



Learn More at: [www.ModuSystems.com](http://www.ModuSystems.com)