



MOTION CONTROLLERS



Motion Controllers: Coordinated Movement

iMotion represents companies that assist manufacturers, big and small, in solving their toughest motion control and automation problems and making their business efficient, automated and profitable. Their precise, flexible, motion control interfaces allow for diverse functionality within a single application. The power and performance of these products, combined with the expertise and creativity of iMotion, come together to create cost effective, high value engineered solutions for your company's specific needs.



Cost Effective Innovation

Trio Motion Technology is a company focused on the design of innovative, cost-effective machine controllers specializing in multi-axis motion control for robotics, OEM and end-user applications in a wide variety of automation requirements.

MC664X

- High Performance, Flexible Motion Coordination
- Quad Core Cortex A9 1Ghz ARM Processor
- Total of 129 Axes in Software and up to 64 Motor Axes
- 64-bit Integer Position Registers
- Ultra Precise Axis Resolution
- Supports up to 64 Networked Digital Drives using EtherCAT or SERCOS
- Expansion Modules Provide 24 Analog Servo Drives or 25 Pulse and Direction Drives and 25 Absolute and Incremental Encoders



MC508

- High Specification, Cost Effective Motion Coordinator
- High Performance ARM Cortex A9 800 MHz Processor
- 8 Voltage Outputs and 8 Flexible Axis Ports
- Configurable for up to 16 Pulse and Direction Output Axes or 8 Closed Loop Servo Axes
- 128 MB of RAM, 32 MB for User Programs and User Table Data Space.



Seamlessly Integrated Solutions

Motion Express is an iMotion company that provides motion control and automation solutions. Our products are created to meet the customer's specific needs and provide seamless integration between various products iMotion represents.



Motion Express Offers New Assembly

This new assembly integrates AMC drives and Trio motion coordination with up to 8 flexible axis ports and 8 voltage outputs within a single unit housing. The built-in Ethernet port allows programming and connection of common HMI and PLC protocols directly to the Motion Coordinator.

Features

- 10-36 VDC Supply
- Separate 24 VDC Logic
- Up to 8 Servo Axes (Configured for your specific need)
- Linear, Circular, Helical and Spherical Interpolation
- Flexible CAM shapes, Linked Motion
- Incremental Encoder Feedback Supported
- Hardware Linked Outputs for Camera/Laser Control
- Ethernet-IP / Modbus TCP / Ethernet Interface Built-In
- Global Drive Ready Status LED



More Features

- Motor Type Selectable by DIP Switch (Brushed or Brushless)
- Precise 64 bit Motion Calculations on ARM 11 Processor with VFP
- IEC 61131 Programming
- Multi-tasking BASIC Programming
- Text File Handling
- Robotic Transformations
- MicroSD Memory Card Slot
- CANopen I/O Expansion
- RoHS and CE Approved
- DIN Rail Mounting Brackets



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