

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

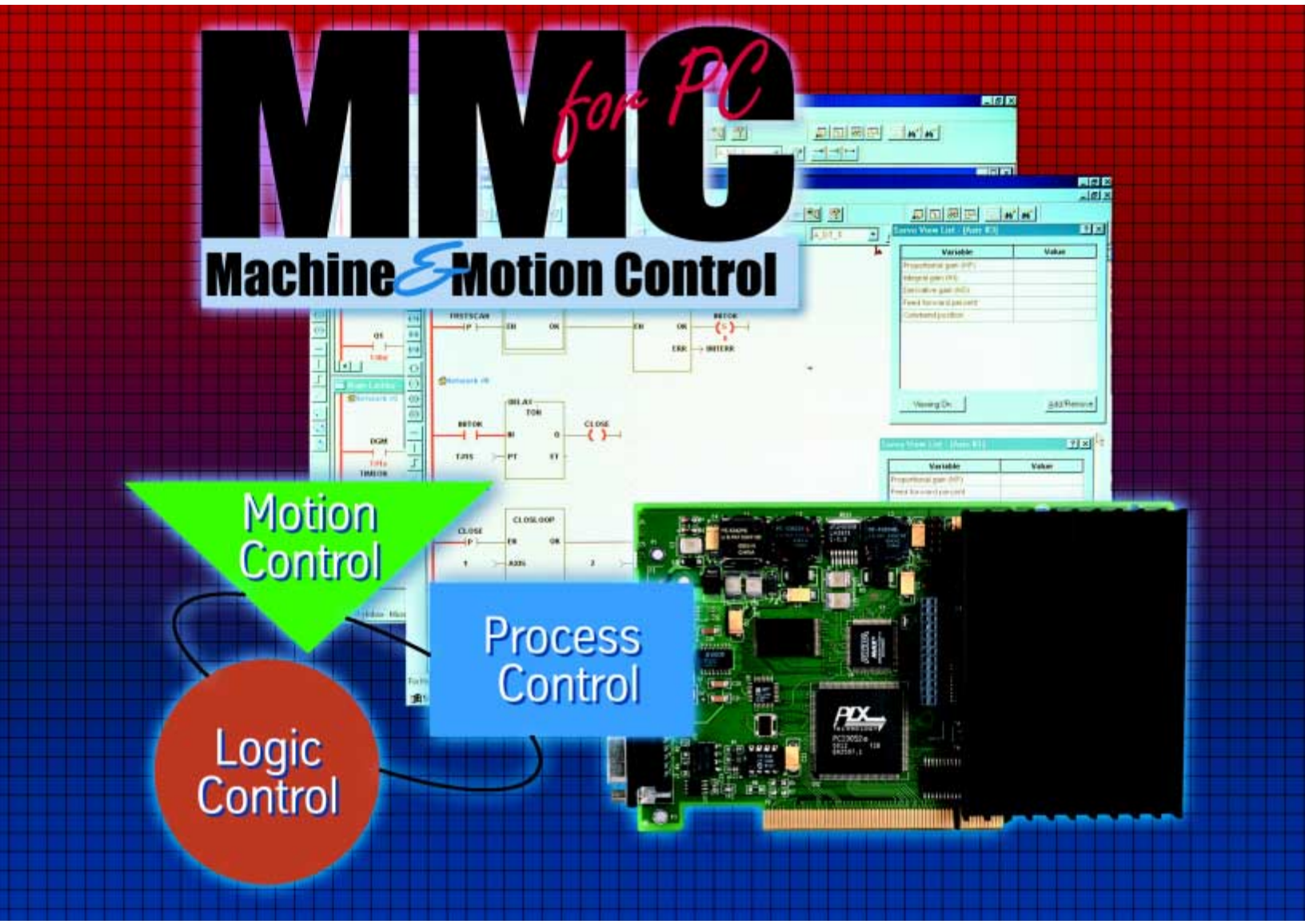
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Expert team | Trust guarantee | 100% satisfaction

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MMC™ for PC–Machine & Motion Control



G & L Motion Control

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MMC for PC – Today's Best Choice For All

MMC for PC – Robust, Full-Featured PC Machine & Motion Control

With MMC for PC, you get the benefits of PC control without losing the reliability and robust performance your motion application needs.

MMC for PC offers:

- Up to 32-axes of high performance motion control using SERCOS or analog interfaced servo amplifiers.
- Simple application development and maintenance using IEC1131 ladder logic, function block or structured text programming.
- Easy integration with host PC applications using industry standard OPC (OLE for Process Control) Server software.
- Access via plant intranet and internet using Ethernet TCP/IP interface tools.
- Dedicated 32-bit RISC processor, eliminating the need for special "real-time kernel" software.
- Independent operation insuring PC crash survival.
- Simple and robust field wiring: fiber optic SERCOS interface to servo amplifiers, simple 4-wire connection to I/O. No failure prone, noise susceptible ribbon cables.
- Compact 1/2 slot PCI-bus form factor ideal for integration into PC operator interfaces.
- Optional DeviceNet™ and Profibus interfaces for access to smart devices.

All the benefits of PC control, with none of the drawbacks!

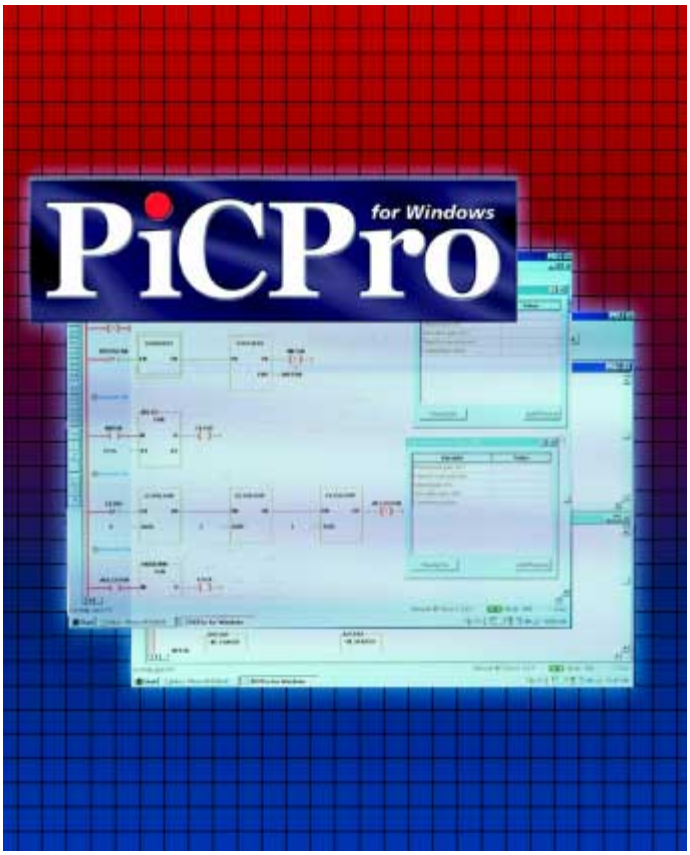
MMC for PC is the industrial motion control solution that makes PC control a true "plug-and-play" experience. Integrate machine and motion control into your machine's operator interface PC using the simple, reliable choice: MMC for PC.

A Complete Solution

What makes MMC for PC the most robust, simple to start-up, and easy to maintain PC control?

MMC for PC has everything you need for logic, motion and communications. And it's guaranteed to work the first time and every time you build a system.

That's a big advantage over earlier attempts at PC control. They typically demanded that you select a soft logic package, a motion interface card and an I/O bus interface card... all from different vendors, all at different revision levels. Then you had to depend on Windows NT to blend them together into a coherent solution.



IEC1131 Programming for Logic & Motion Control

PiCPro™ for Windows lets you choose between graphical ladder and function block or structured text programming to solve your machine logic and motion control application. Use on-line edit, animation, forcing and data view lists to quickly implement and easily maintain your applications.

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Your PC Machine & Motion Control Needs

MMC for PC Embraces Open Control Standards

Open control is a reality with MMC for PC. Standards include:

- IEC1131-3 for programming
- SERCOS (IEC61491) for motion
- OPC (OLE for Process Control) for integration
- DeviceNet and Profibus for I/O interfacing
- Ethernet TCP/IP for intranet/internet communication

In the open control environment, you integrate third party software and devices with a point-and-click. As a control system designer, you're free to select best-of-breed products from any manufacturer to create optimal solutions.

Real-Time Control

With a 32-bit RISC processor dedicated to machine and motion control, you get real-time control – with no special PC operating system add-ons! And with standard PiCPro multi-tasking capability, your control algorithms can execute synchronously with the servo update loop to solve the most challenging application.

DeviceNet or Profibus

DeviceNet or Profibus intelligent I/O devices integrate easily with your application using the optional plug-in interface and simple name-based data transfer software.



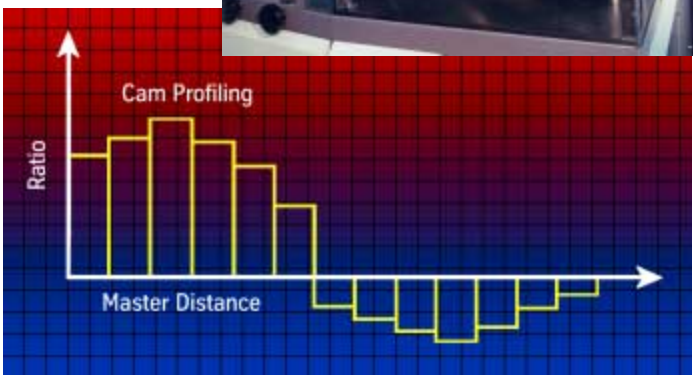
PC Crash Survival

PC control applications can mean the possibility of PC lock-up, sometimes referred to as the "blue screen of death". With an on-board processor dedicated to control, the MMC for PC is immune to host PC lock-ups. For the ultimate protection, power the MMC for PC using an external 24 VDC supply. Then power cycling of the host PC causes no interruption in control.

Motion Capability to Meet Your Needs

Control up to 32 SERCOS-interfaced or 32 analog-interfaced axes using simple function block programs. Motion capability includes positioning, indexing, gearing and cam profiling as well as linear and circular interpolation moves.





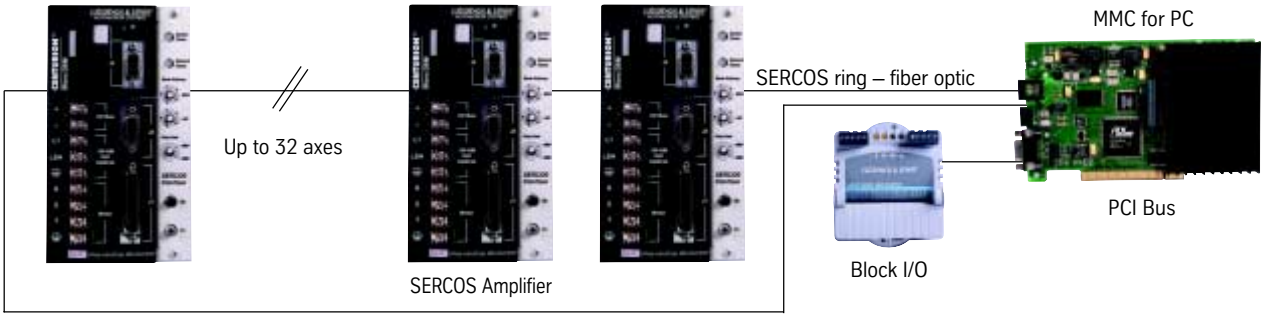
Easy-to-Use I/O

Interface to machine I/O using a simple 4-wire serial link. Up to 77 I/O blocks can be mounted locally or up to 200 feet apart. Select from our family of Block I/O modules including:

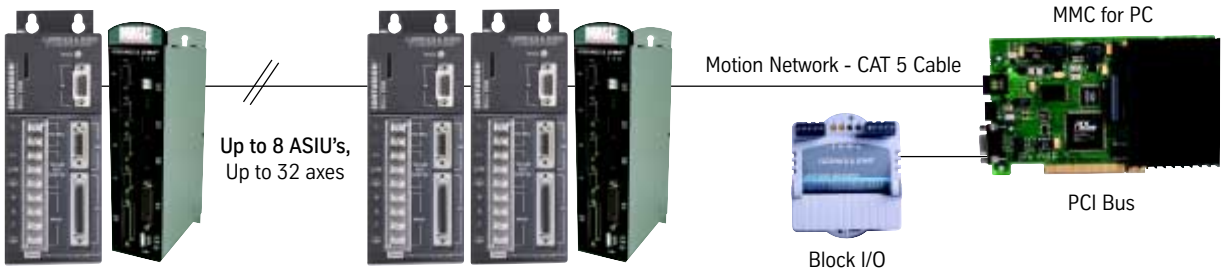
- AC and DC Discrete I/O
- Analog I/O
- Motion I/O



MMC for PC – SERCOS System



MMC for PC – Analog System



Family Member	Description	Dimensions: inches(mm) W x H x D
MMC for PC – SERCOS	32 axis, SERCOS-interfaced	1/2 slot PCI bus form factor
MMC for PC – Analog	Up to 32 axis (see ASIU below)	1/2 slot PCI bus form factor
ASIU-A2	2-1/2 axis, analog servo interface	2.25(57.15) x 9.59(243.59) x 5.25(133.3)
ASIU-A4	4-1/2 axis, analog servo interface	
MMC for PC – D Option	DeviceNet Master Interface	Additional 1/2 slot PCI bus width (no backplane connection)
MMC for PC – P Option	Profibus Master Interface	

ASIU Feature	Model	
	ASIU-A2	ASIU-A4
Motion Network Interface	1 in/1 out	1 in/1 out
Analog Outputs	2	4
Encoder Inputs	3	5
Drive Interface Inputs (24 VDC)	2	4
Drive Interface Outputs (24 VDC)	4	8
Axis Fast Inputs	3	5
Analog Inputs	1	1
General Purpose Inputs (24 VDC)	22	28
General Purpose Outputs (24 VDC)	16	16

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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