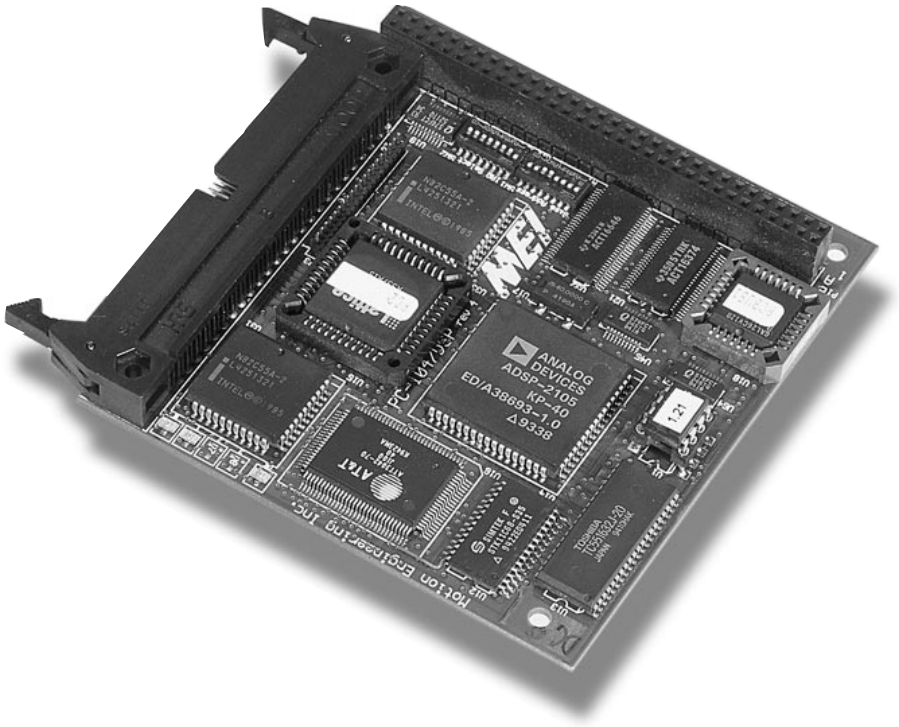
104/DSP Motion Controller

- C-Programmable Using MEI Standard C Function Libraries (Over 250 Functions)
- PC-104 Card Supports Up to 4 Axes
- Fast Host Communications Across PC-104 Bus at 1.2 Mbytes/Sec
- Supports Both Servos and Steppers
- 20 User I/O Lines
- 16-Bit Servo Output Resolution
- 375 kHz Step/Direction Output
- Point-To-Point Coordinated Motion
- Supports DOS, Windows* 3.X, Windows NT, Windows 95, Lynx/OS, VxWorks, QNX, VRTS, and OS/9
- Flexible DSP Architecture Allows On-The-Fly Changes to Many Motion Parameters



The 104/DSP combines MEI's proven DSP-based motion control architecture with the compact, rugged design of the PC-104 bus interface. Hardware features include 16-bit servo outputs, encoder inputs to 5 MHz, and 20 lines of user I/O.

You program the 104/DSP using MEI's flexible C function libraries with over 250 motion control functions. Combining MEI C libraries with compilers from Microsoft, Borland, Watcom, Symantec, and others speed development of complex motion applications.

The 104/DSP provides a rich set of software algorithms, including a sophisticated second-order PID control algorithm with velocity, acceleration, and friction feedforward.

Advanced features include electronic gearing and camming, dual-loop control, circular and linear interpolation, and trapezoidal, S-curve, parabolic, and custom motion profiles.

The 104/DSP allows motion control programs to share execution between the onboard DSP (for numerical intensive real-time functions) and the host (for non-real-time functions). This results in an ideal division of labor with minimal host intervention.

PROCESSORS SUPPORTED:
Intel386™, Intel486™ and Pentium® processors

AVAILABILITY:
Now

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