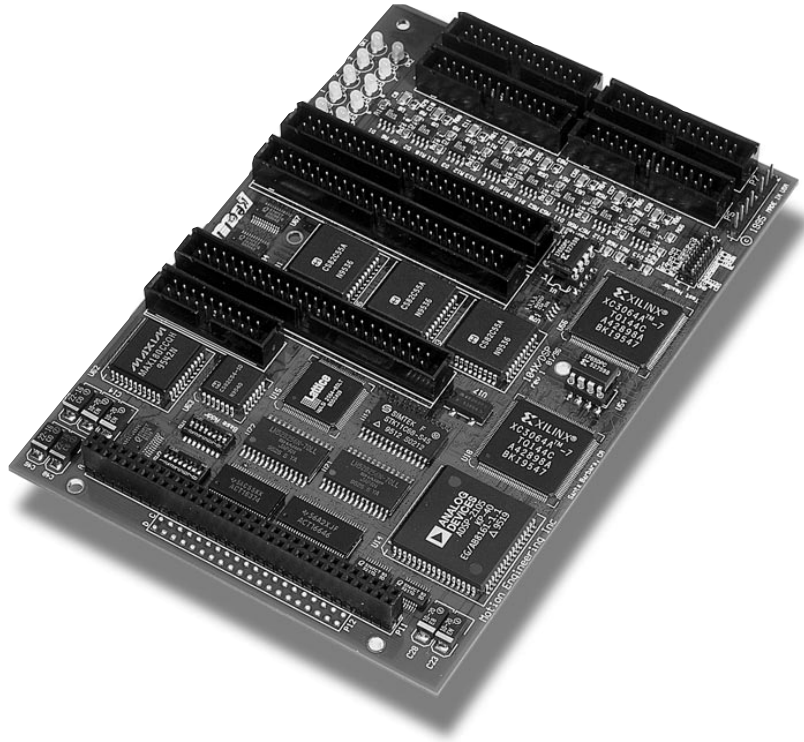


104X/DSP Motion Controller

- C-Programmable Using MEI Standard C Function Libraries (Over 250 Functions)
- First 8-Axis PC-104 Motion Controller
- Extended Form Factor (4.5" x 6.5") Requires No Backplane or Motherboard
- Supports Both Servos and Steppers
- Up to 44 User I/O Lines
- 16-Bit Servo Output Resolution
- 375 kHz Step/Direction Output
- Point-to-Point Coordinated Motion
- Flexible DSP Architecture Allows On-the-Fly Changes to Many Motion Parameters



The 104X/DSP combines MEI's proven DSP-based motion control architecture with the compact, rugged design of the PC-104 bus interface in an extended form factor (4.5" x 6.5") for OEM system designers. The 104X/DSP is ideal for OEM embedded motion control applications because it requires no expensive backplane or motherboard.

You program the 104X/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 speeds development of complex motion applications.

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

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

The 104X/DSP allows motion control programs to share execution between the on-board 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

DEVELOPMENT PLATFORMS:
Supports DOS, Windows* 3.X, Windows NT, Windows 95, Lynx/OS, VxWorks, QNX, VRTS, and OS/9

AVAILABILITY:
Now

CONTACT:
Motion Engineering, Inc.
33 South La Patera Lane
Santa Barbara, CA 93117
Phone: (805) 681-3300
FAX: (805) 681-3311
e-mail: info@motioneng.com
BBS: (805) 681-3313
WWW: <http://www.motioneng.com>



Motion Engineering, Inc.