MX Platforms

MX is written in ANSI C. It currently runs on the following platforms:

- Linux 2.0.30 - gcc 2.7.2.1
- Sparc Solaris 2.5 - SparcCompiler 4.0
- SGI Irix 6.3 - cc
- Sparc SunOS 4.1.4 - SparcCompiler 3.0
- MS Windows NT 4.0 - Visual C++ 4.0
- MSDOS - Watcom C 9.5
  (using DOS extender)
- IBM RS/6000 AIX 3.2 - cc

Currently Existing MX Motor Drivers

- OMS VME 58 - EPICS
- Delta Tau PMAC - EPICS
- APS insertion device gap - EPICS
- McLennan PM-304 - RS-232
  (Daresbury monochromator)
- Newport MM3000 - RS-232
- Newport MM4000 or MM4005 - RS-232
- Compumotor 6000 series - RS-232
- IMS Panther HI & HE - RS-232
- DSP E500 - CAMAC
- DAC motor
- MX network motor
- Software emulated motor

Pseudo-motor Drivers

- Monochromator angle with coupled dependent motors
- Monochromator energy
- Monochromator wavelength
- Monochromator wavenumber
- XAFS electron wavenumber
- Slit pseudo motors
- Linear translation of multiple motors
- Average position pseudomotor
- Position difference pseudomotor
- Elapsed time pseudomotor

Other MX Drivers

- RS-232 interfaces:
  Unix TTY, Win-32 COM, MSDOS Fossil, KS-3344 (CAMAC), TCP socket as serial port

- Joerger VSC-8/16 counter - EPICS
  Used as a scaler and/or a timer.

- CAMAC interfaces:
  DSP 6001 (under DOS extender)

- CAMAC modules:
  KS-3512 (ADC), KS-3112 (DAC), KS-3063 (DIO), KS-3640 (U/D counter), DSP QS-450 (scaler), KS-3610 (scaler), RTC-018 (timer)

- National Instruments LabPC+ multifunction board (under Linux)

To Be Done...

- EPICS Hideos devices: RS-232, GPIB, ADC, DAC, DIO
- National Instruments GPIB (using ibwrt(), etc.)
- Keithley RS-232 to GPIB converter