



## Interactive Mezzanine Control (IMC)

The Interactive Mezzanine Control (IMC) application is a valuable software tool that provides a graphical interface allowing users to interactively control and communicate with any M-module residing on any of the different M-module carriers that are manufactured or distributed by C&H Technologies, Inc.

### Overview

IMC is a Windows application that gives the user full control over M-modules and supported M-module carriers. It provides a generic interface to peek and poke registers on the M-module, peek and poke configuration registers on the carrier, and, if present, read the M-module IDPROM. Among other features, IMC also provides a simple scripting language that allows the user to setup and perform more complex functions using a sequence of commands.

Upon launching, IMC will search the system for available M-modules, automatically identify each module found, and customize the interface to provide information specific to the module. IMC contains a large library of module information that includes the module name, the module description, and detailed register information. If a module is not found in the library, IMC will launch a generic interface allowing the user to still fully control the module. This generic interface also allows the user to enter module

information to be added to the module library.

### Supported Carriers

IMC can control M-modules residing on the following supported M-module carriers:

<b>VX405C:</b>	<b>6-slot VXI Carrier</b>
<b>VX406C:</b>	<b>4-slot Intel. VXI Carrier</b>
<b>EM405D:</b>	<b>2-slot Ethernet Carrier</b>
<b>EM405-8:</b>	<b>8-slot Ethernet Carrier</b>
<b>i3000:</b>	<b>1-slot cPCI Carrier</b>
<b>i3002:</b>	<b>2-slot PXI Carrier</b>
<b>i3100:</b>	<b>4-slot 6U cPCI Carrier</b>
<b>i4000:</b>	<b>4-slot 6U VME Carrier</b>
<b>i2001:</b>	<b>1-slot PCI Carrier</b>

### M-Modules

The M-module specification (ANSI/VITA 12-1996) is an ANSI standard supported today by more than 150 modules from over 15 different manufacturers. A variety of functions can be found in the M-module format including test instrumentation, process control functions, serial bus emulators, and networking and communications interfaces.

For a list of available M-modules, visit the M-module section of [www.mezzanines.org](http://www.mezzanines.org).

### System Requirements

- Windows 9x/2000, NT, XP
- LabWindows/CVI run-time engine
- VISA run-time required for some platforms

### Additional Information

IMC is freely available from C&H Technologies, Inc. It can be downloaded from the support section of our website at [www.chtech.com](http://www.chtech.com).

Data sheets, user manuals and other information on the M-modules and M-module carriers manufactured or distributed by C&H Technologies may also be found on the website.