



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:

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

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.

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.

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.