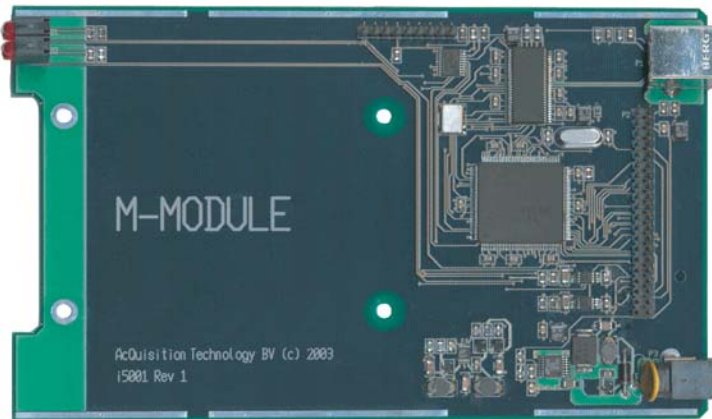# i5001
M-module carrier for USB 2.0

The i5001 links any computer with an USB 2.0 interface directly to the M-module bus. The i5001 makes your computer perform as if the M-module was plugged into the computer directly, giving your desktop or laptop computer the capability of an embedded computer. The USB plug&play compliant i5001 comes with APIS software for Windows 2000/XP to ease your M-module system development.

The i5001 can be used in any computer running Windows 2000/XP. Adding the USB to M-module interface to a low-cost, general-purpose desktop PC or laptop creates an attractive cost/performance solution compared to an embedded VME or CPCI system.

All applications written for VME or CPCI systems for our M-modules using APIS can execute without modifications on the i5001, only recompilation is needed.
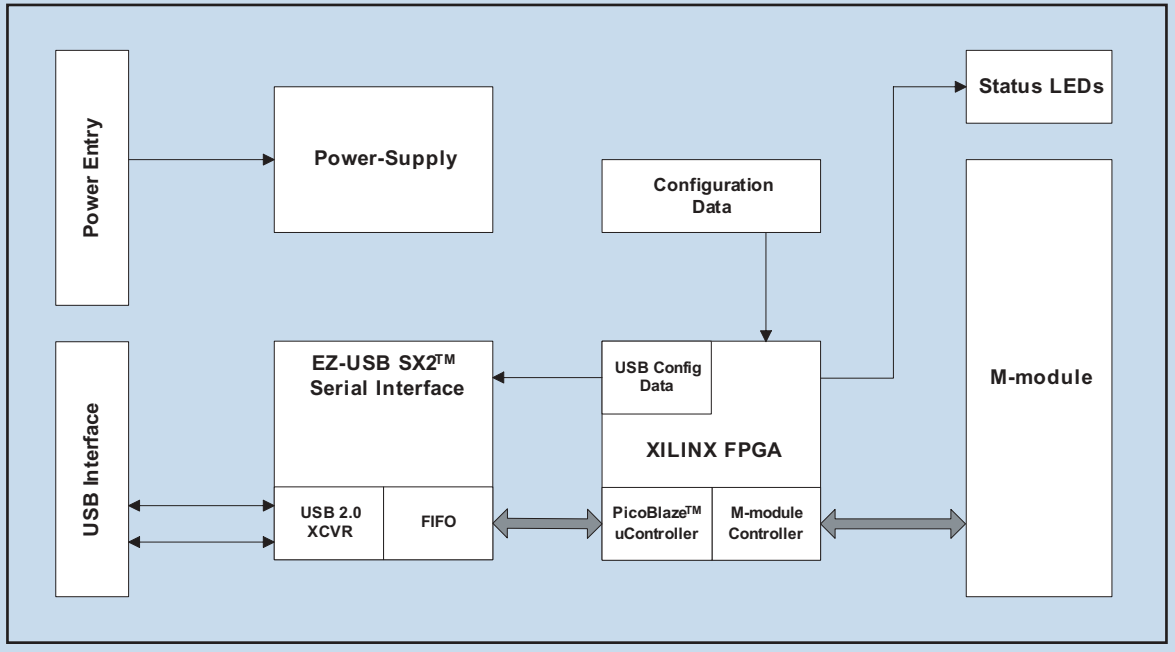
For the i5001 a professional housing is available including an international operating power adapter. The i5001 in combination with this housing is called the USB ExtensionBox.

- Single M-module slot with front I/O
- Cypress EZ-USB SX2(™) Controller
- USB 2.0 interface
- USB plug&play
- direct access to M-module memory space
- direct M-module interrupt control
- high-performance interface between the USB (SX2 Chip) and the M-module using an FPGA for direct control
- only 1 supply voltage (+12V) using onboard DCDC converters

Committed to Quality

AcQ

AcQuisition Technology B.V.

Block diagram

Block diagram

M-module Compliancy

- 2-row M-module support
- A08, D16
- INTA software end-of-interrupt

USB Compliancy

- USB 2.0-certified compliant (EZ-USB SX2$^{(TM)}$)
- operates at high (480Mbps) or full (12Mbps) speed

Controller

- Cypress EZ-USB SX2$^{(TM)}$ Controller
- Xilinx FPGA for M-module bridge

Software Support

- APIS platform support for Windows XP and Windows 2000
- Other platforms on request

Ordering Information

- i5001
  M-module Carrier for USB 2.0
- i5001/KIT
  USB ExtensionBox (i5001 M-module Carrier for USB 2.0, housing and Power Adapter)
- i5001/SW
  APIS based software for i5001
- i5001/MAN
  i5001 manual on paper

MEMBER
VITA
VMEbus INTERNATIONAL TRADE ASSOCIATION