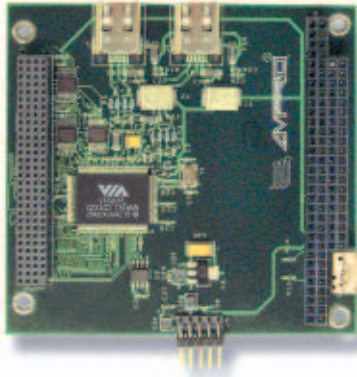# MiniModule™ 1394

High-speed PC/104-Plus module lets you add up to two 400Mbps Firewire ports

FEATURES

- VIA VT6307L IEEE 1394 Host Controller
- Compliant with 1394 Open HCI Rev. 1.0 and 1.1
- Descriptors based isochronous and asynchronous DMA channels for receive/transmit packets
- Provides two 1394a fully compliant ports at 100/200/400 Mbps
- Supports separate TPBIAS for each port
- Supports 32-bit 33MHz PC/104-Plus host interface compliant with PCI Rev. 2.2
- Configurable for any PC/104-Plus bus slot

The MiniModule™ 1394 board provides a high performance PCI-based platform for incorporation of up to two IEEE 1394 Firewire bus interfaces into a PC/104-Plus embedded system. Based on Version 1.1 of the IEEE 1394 OHCI standard, MiniModule 1394 offers support for a variety of Firewire devices such as high performance video cameras operating with transfer rates up to 400Mbps. The card provides both PC/104-Plus and PC/104 interfaces, although the PC/104 interface is utilized only to pass through bus signals and for mechanical stability. Control signals are all obtained from the PC/104-Plus (PCI) bus.

The MiniModule 1394 utilizes the Via VT6307L IEEE 1394 Host Controller which is supported with drivers for a wide range of popular embedded operating systems. The card is configurable for use in any of the four PCI slots available to PC/104-Plus systems.

## SPECIFICATIONS

### General
- **Controller –**
  - Via VT6307L IEEE 1394 Host Controller
  - Complies OHCI version 1.0 and 1.1 standards
- **Card Support –** High-speed (400Mbps), full-speed 200Mbps) and low-speed (100Mbps) transactions
- **Special Features –**
  - Two IEEE 1394a ports, each supporting up to 32 Firewire devices
  - Supports "hot" insertion/removal
  - Power connector for supplemental +5V DC input as required
  - Fully interoperable with IEEE standard 1395-1995 devices
  - Cable power presence monitoring
- **Four Slot Support Option –** Configurable for use in any of the 4 PCI slots available to PC/104-Plus systems
- **Support Software –** Plug-and-play drivers with Windows ME/XP/2000/XPe

### Bus Interface
- PC/104-Plus bus (PCI), PC/104 bus (ISA)

### Mechanical
- **Size –** 90x96mm (3.6x3.8") PC/104-Plus
- **Power –** (typical) 0.06A 2 +5V
- **Environmental –** Operating temperature: 0° to 70°C standard; –40° to +85°C extended

NOTE: Above do not include Firewire device power requirements

### Warranty
- 3-year warranty

### ORDERING INFORMATION

| MODEL | DESCRIPTION |
|-------|-------------|
| MM3-1394-K-10 | QuickStart Kit (board, documentation, software) |
| MM3-1394-Q-01 | MiniModule 1394, 2 1304 IEEE "Firewire" Ports |

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