EXTREME RUGGED

Ampro MiniModule™ 1394
High-speed PC/104-Plus module lets you add up to two 400Mbps Firewire ports
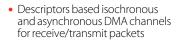

MiniModule 1394

Choose Ampro MiniModule™ 1394 for…

A high performance PCI-based platform for incorporation of up to two IEEE 1394 Firewire bus interfaces into a PC/104-Plus embedded system.

Description

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.

RoHS

- 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

Ordering Information

MODEL	DESCRIPTION
MM3-1394-R-01	MiniModule 1394, 2 1304 IEEE "Firewire" Ports

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 Requirements – (typical) 0.06A 2 +5V
- Temperature
  – Standard: 0° to +70°C
  – Extended: −40° to +85°C

NOTE: Above does not include Firewire device power requirements

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