

MiniModule™ ISA

PC/104-Plus Expansion Module for
PCI-104 SBCs



Features

- Onboard PCI-to-ISA bridge
- Ampro by ADLINK™ BIOS supported
- Transparent to operating systems
- Full 24-bit ISA addressing
- 16-bit I/O and memory cycles

Choose the Ampro by ADLINK™ MiniModule™ ISA to...

Add PC/104-Plus expansion to ReadyBoard™ and CoreModule™ products that have a PCI-104 interface (PCI bus) and add Compact Flash and Mini PCI capability.

Description

The Ampro by ADLINK™ MiniModule™ ISA allows PC/104 and PC/104-Plus modules to be used with SBCs that only support PC/104 (ISA bus).

Specifications

Controller

- ITE IT8888F PCI-to-ISA bridge
 - PCI 2.1 compliant
 - Transparent mode

- Full 24-bit ISA addressing
- 16-bit and 8-bit I/O and memory cycles
- Software-transparent DMA
- ISA bus master supports four PC/104 cards
- Encodes all ISA IRQs

Bus Interface

PC/104-Plus (ISA & PCI) top side, PCI-104 bottom side

Mechanical

Size – 90 x 96 mm (3.6 x 3.8"); PC/104-Plus form-factor
Power Requirements – TBD

Ordering Information

Model Number	Description/Configuration
MM3-ISA-R-01	PCI -104 to PC/104-Plus bridge

Note: Minimum order quantity required. Please contact your sales representative.

MiniModule™ 1394

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



Features

- Provides two IEEE 1394a compliant ports at 100/200/400 Mbps
- Descriptors based isochronous and asynchronous DMA channels for receive/transmit packets
- 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

Choose the Ampro by ADLINK™ MiniModule™ 1394 to...

Add up to two IEEE 1394 Firewire bus interfaces into a PC/104-Plus embedded system.

Description

MiniModule™ 1394 adds support for Firewire devices such as high performance video cameras with transfer rates up to 400Mbps. The card provides both PC/104-Plus and PC/104 interfaces, with the PC/104 interface utilized only to pass through bus signals and add mechanical stability. Control signals are all obtained from the PC/104-Plus (PCI) bus.

Specifications

Controller

- Controller
 - VIA VT6307L IEEE 1394 Host Controller
 - Complies with OHCI standards versions 1.0 and 1.1

- Card Support – High-speed (400Mbps), full-speed 200Mbps) and low-speed (100Mbps) transactions
- 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
 - Cable power presence monitoring

Bus Interface

- PC/104-Plus bus (PCI), PC/104 bus (ISA)

Mechanical

- Size – 90 x 96 mm (3.6 x 3.8") PC/104-Plus
- Power Requirements – 0.06A, +5V (typical)

Ordering Information

Model Number	Description/Configuration
MM3-1394-R-01	MiniModule™ 1394, two IEEE 1394 "Firewire" Ports

Note: Minimum order quantity required. Please contact your sales representative.