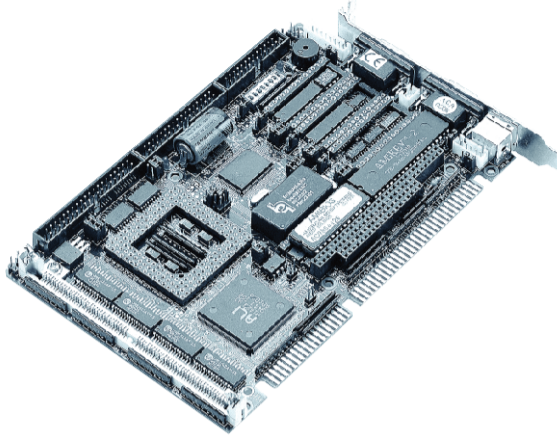# Half-size 486 ISA-bus CPU card with SSD

AR-B1474

Features

- Supports 25-133MHz 486 grade CPUs
- ISA and non-stack through PC/104 bus
- Up to 32MB FPM RAM
- Onboard 512KB cache RAM
- Supports two IDE hard disk devices
- Supports two floppy disk devices
- Up to 3MB Solid State Disk
- Supports one Bi-directional parallel port
- Supports two serial ports
- PC/AT compatible keyboard
- AMI BIOS
- Multi-layer PCB for noise reduction
- Programmable Watchdog timer
- Requires only 5V power supply for embedded applications

Specifications

General

CPU	Supports 25-133 MHz Intel/AMD/Cyrix/TI 80486 DX4/DX2/DX and 5x86 CPUs
Chipset	ALI M1429 & M1431
Bus Interface	ISA and non-stack through PC/104 Bus
Memory	1MB to 32MB (Using 32-bit or 36-bit 72-pin SIMMs with access time of 70ns or less)
Shadow RAM	Up to 512KB in 32KB blocks, supports system and video BIOS
Extended Memory Mapping	Fully supports the LIM EMS 4.0 and 3.2 specifications
FDD	Supports one FDC port up two FDDs
IDE	Supports one IDE port up to two IDE devices and IDE flash Modules
Parallel Port	Supports one Bi-directional parallel port
Serial Port	Supports two RS-232C serial ports
Solid State Disk	Up to 3MB solid state disk, (DiskOnChip is Optional)
Keyboard	PC/AT compatible keyboard
BIOS	AMI BIOS
Watchdog Timer	Programmable time-out interval from 6 to42 seconds
Bus Speed	Programmable 1/4, 1/5, 1/6, 1/8, 1/10 or 1/12 input clock and 7.159MHz
DMA Channels	7 DMA channels
Humidity	0 to 95% (non-condensing)
Interrupt Levels	15 vectored interrupt levels
Operating Temperature	0 to 60 Celsius degree (140 degrees F)
Power Req.	+5V, 1.5A Maximum
Dimensions	185 mm x 122 mm

Ordering information:

Model No.	Description	Accessories
AR-B1474	Half-size 486 ISA-bus CPU card with SSD	1. Cable : HDD cable, FDD cable, Print Port Cable 2. Disk : SSD Utility 3. Adapter : AT to PS/2 keyboard Adapter